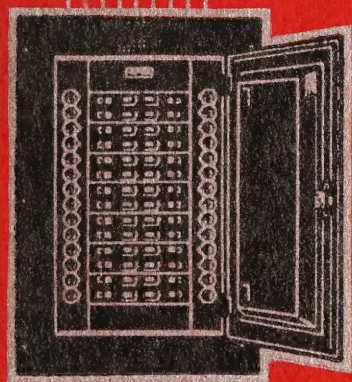


# BENJAMIN-STARRETT

*Panelboards  
and  
Steel Cabinets  
for Light and Power*



*Catalog No. S-5*







# BENJAMIN-STARRETT

*Lighting Panelboards  
and Cabinets*

*Metering Panelboards  
and Cabinets*

*Power Panelboards  
and Cabinets*

*Switchboards*

## *Catalog S-5*

Copyright, 1928

BENJAMIN ELECTRIC MFG. CO., CHICAGO

## **BENJAMIN ELECTRIC MFG. CO.**

247 W. 17th Street  
NEW YORK

120-128 So. Sangamon Street  
CHICAGO

448 Bryant Street  
SAN FRANCISCO

Benjamin-Starrett Panelboards and Cabinets are Fully Protected  
by United States and Foreign Patents. Other Patents Pending.

## Foreword

THE Benjamin-Starrett Organization, long recognized as a pioneer in the use of moulded composition base sectional unit construction, continues its leadership with this new and improved design.

Listed and illustrated in this catalog are types of panelboards suited to meet all the diversified requirements of electric lighting distribution.

Special power and lighting distribution panelboards, cabinets and switchboards are also shown. The Benjamin-Starrett organization stands ready with its capable and experienced engineering staff to aid in the solution of your special requirements.

All the panelboard material listed in this catalog is constructed in accordance with the rules and specifications of the National Board of Fire Underwriters' and each device bears the Inspection Label of the Underwriters' Laboratories.

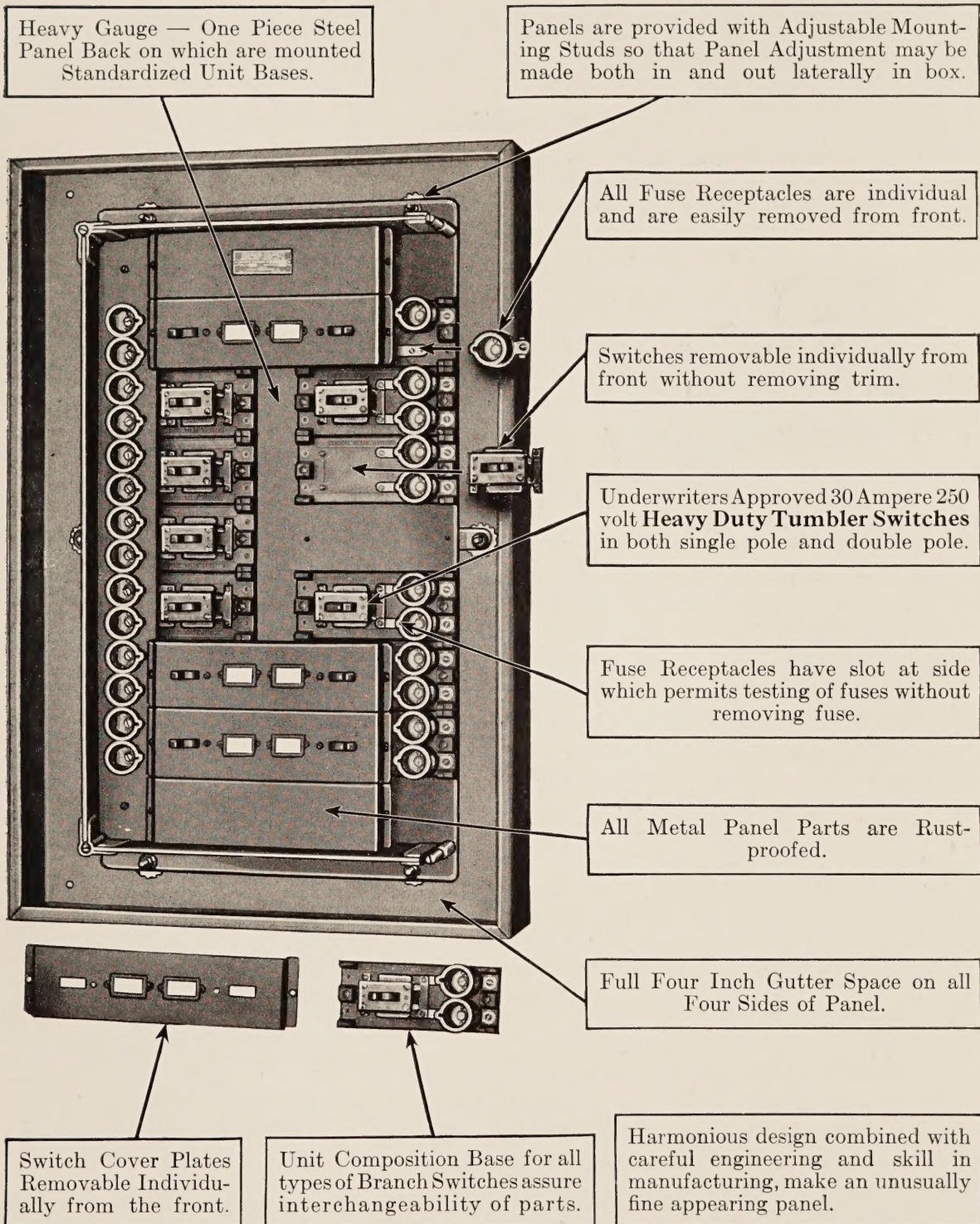
For convenient reference, this catalog has been divided into the eight sections enumerated below.

### Index

- Section I* —Type "G" and Little Sentry Lighting Panelboards.
- Section II* —One Fuse Lighting Panelboards: Safety, Protective, and Open Front Types.
- Section III* —Two Fuse Lighting Panelboards: Safety, Protective, and Open Front Types.
- Section IV* —Increased Capacity and Added Equipment.
- Section V* —Metering Panels with Cabinets.
- Section VI* —Cabinets and Boxes for Telephone Cabinets, Junction and Pull Boxes only.
- Section VII* —Special Power and Lighting Panelboards with Cabinets, and Switchboards.
- Section VIII*—Numerical Index.



## Dominant Features of Benjamin-Starrett Lighting Panelboards





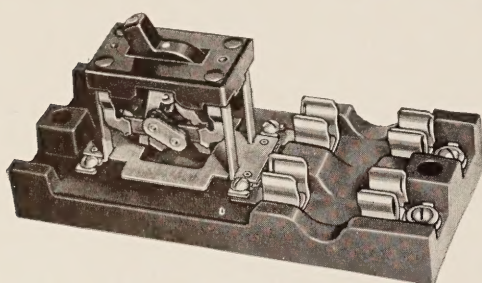
## Features of Standard Lighting Panelboards

### Exceed Underwriters' Requirements

Benjamin-Starrett Standard Lighting Panelboards are constructed and designed to meet safety requirements. They not only bear the label and have the approval of the Underwriters' Laboratories, Inc., but actually exceed their requirements.

### Capacities

The main and branch circuit connections are in accordance with the requirements of Underwriters' Laboratories, Inc. All copper parts are of 98% conductivity and of a maximum current density of 1000 amperes per square inch cross section.



Standard Composition Base

### Sectional Construction

Benjamin-Starrett Standard Lighting Panels are built up of standardized composition bases which are attached to a steel back by means of screws. All bases carrying fusible branch circuit equipment are of same size, so changes in branch circuit equipment may be made after the panelboard is installed, without the necessity of removing panel from box.

### Standard Composition Bases

Bases are of approved moulded composition having perfect insulating qualities, and are standardized as to design. They are individual for one two-fuse circuit or two one-fuse circuits.

### One-Piece Steel Panel Back

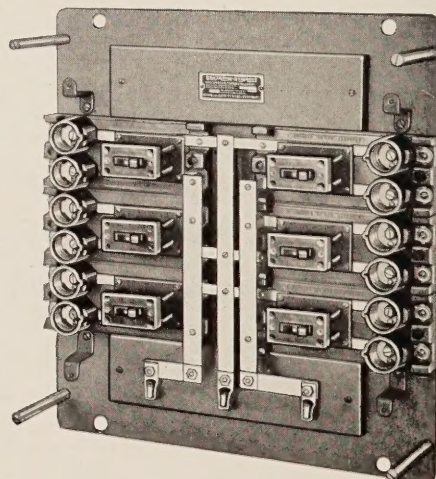
The method of mounting individual parts on a steel panel back or base, makes a durable rigid assembly which is easily handled as a unit and which gives the individual parts that make up the panelboard the greatest possible protection against breakage during shipment and installation.

### Accessibility

All parts of the Benjamin-Starrett Standard Lighting Panelboards are accessible from the front of the panel. Every part of the panel equipment may be removed and new or even equipment of an entirely different kind may be substituted without removing the panel mounting base from the box. This feature alone is of the greatest importance as it means—LOWEST POSSIBLE COST OF MAINTENANCE.

### Steel for Strength and Service

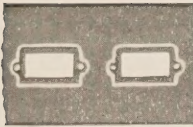
Benjamin-Starrett Standard Lighting Panelboards are strong and practically indestructible and under ordinary conditions will last a life time. Steel is used throughout: for the barrier, for the box, for the trim, for the protective shield and for the panel back.



Method of Assembling Individual Standard Sections on Steel Panel Back



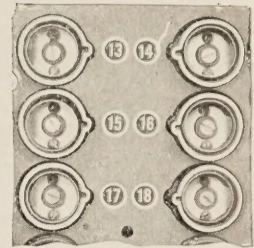
## Features of Standard Lighting Panelboards



**Card Holder Marking**

### Individual Circuit Marking

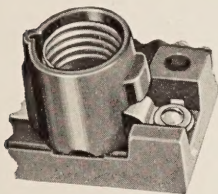
Tumbler switch branch circuits are equipped with individual card holders. Other types of branch circuits are plainly marked by numbered metal discs.



**Numeral Marking**

### Metal Protective Shield

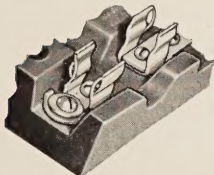
Metal protective shield, thoroughly grounded, covers the entire face of the panel on all Protective Types and some Safety Front Types. This shield eliminates any danger of contact with live parts when operating switches or renewing fuses, and gives the board an unusually fine appearance.



**Edison Base Receptacle**

### Moulded Composition Receptacle

Edison Screw Base Receptacle is of cold moulded composition with heavy copper screw shell. Extra large contact surface, assures perfect connections. Receptacle can be removed from panel as a unit by removing one screw. A slot in the side of the receptacle eliminates the necessity of removing fuses for testing.



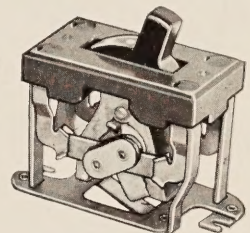
**Cartridge Fuse Clips**

### Phosphor Bronze Fuse Clips

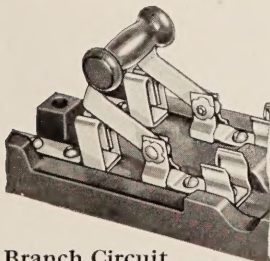
Cartridge Fuse Clips are of spring phosphor bronze mounted on standardized composition bases and will accommodate fuses from 1 to 30 ampere capacity.

### Heavy Duty Tumbler Switch

Both Single and Double Pole Branch Circuit Tumbler Switches are 30ampere, 250 volt Heavy Duty type, ruggedly constructed to stand up under severe service conditions. Switch has an insulating composition top with indicating handle to show "off" and "on" positions. Mechanism is of the "quick make" and "quick break" type. Switches are placed between the main bus bar and branch fuse receptacles, so that fuses are dead when the switch is in the "off" position. Entire switch can be removed from panel as a unit by loosening mounting screws.



**30 Ampere Single Pole Tumbler Switch**



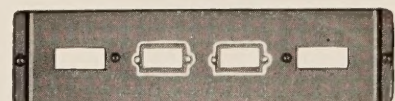
**Branch Circuit Knife Switch**

### Branch Circuit Knife Switch

Knife switch is 30ampere, 125 volt capacity and is substantially constructed with blades of heavy copper and handle of moulded composition. Contact clips are rolled in at each end for perfect alignment of the contact surfaces, and hinges are formed of one-piece of copper. Spring washers are used in riveting blade to hinge jaw, thus insuring perfect contact.

### Steel Tumbler Switch Plate

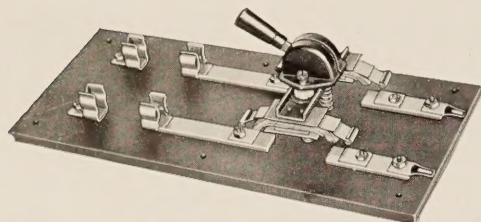
Steel tumbler switch cover plate is individual for each pair of double fuse branch circuits or for each four single fuse branch circuit. Switch plate can be readily removed.



**Tumbler Switch Plate**



## Features of Standard Lighting Panelboards



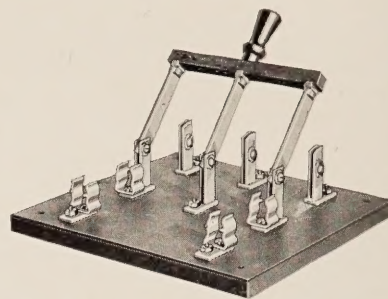
Main Brush Type Switch

### Main Knife Switch

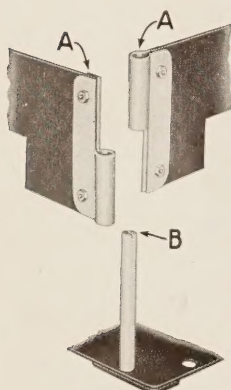
Main knife switch is of standard design and of milled, pinned, and sweated construction. Blades and jaws are made of heavy copper and handle is large and strong.

### Easily Detachable Barrier

Barriers are made of steel in four separate sections and are mounted independently of the trim by means of special hinges (A) at ends of barrier sections which slip over four steel posts (B) screwed to panel back. In this way a strong rigid assembly requiring neither bolts nor screws is made and a simple straightforward pull (as shown in illustration) is all that is necessary to conveniently remove barrier for wiring. Barriers are cut out on bottom edges to allow passage of wires.

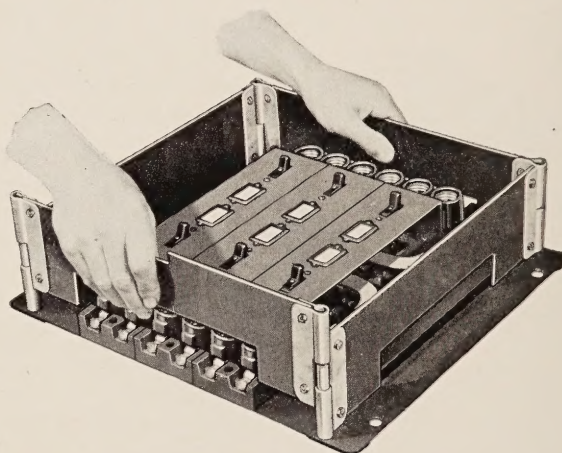


Main Knife Switch



How Steel Barrier Attaches to Steel Panel Back

A Straight Pull is all that is Necessary to Remove Barrier Sections.



FINISH: All steel panel parts are finished dead black and rust proofed.

## Features of Standard Lighting Panel Boxes

### Durable Construction

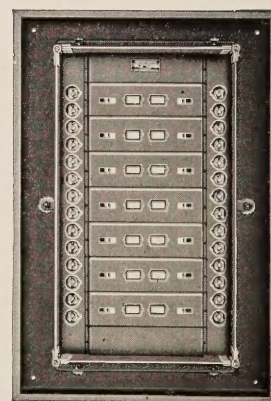
Boxes are of Code gauge galvanized steel, overlapped at corners and riveted, with a  $\frac{3}{4}$ " inward flange (see illustration) all around outside edges. This flange serves as an anchorage for the adjustable clamps (see Fig. C on opposite page) that attach trim to box.

### Four Inch Gutter Space

All standard lighting panelboard boxes have a four inch gutter space which allows ample room for wiring.

### Drilling

Standard boxes are furnished with knockouts as shown on page 9.



Standard Box with Barrier and Panel



# Features of Standard Lighting Panel Boxes and Trims

## Boxes Carried in Stock

Code Gauge Galvanized Steel Boxes are standardized for all Benjamin-Starrett Standard Lighting Panelboards listed on pages 20 to 45, inclusive, and are carried in stock ready for immediate shipment. Boxes can be ordered and installed long before panels are required on the job. Same boxes can be used for flush or surface mounting.

## Accurate Location of Mounting Holes

Holes drilled and tapped in the back of steel box to take the Adjustable Panel Support Studs are made by means of special drilling fixtures, thus assuring correct fit of panel in box.

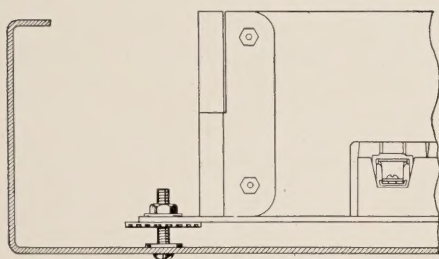


Figure B

are provided in steel panel back to permit plumbing of panel when box is out of alignment.

## One Piece Trim

Trims are made of one piece of Code Gauge Steel. A moulding is welded around the outside edge of the door overlapping the mat, thereby forming a rabbet.

## Three Styles of Doors

Single door, double door and door-in-a-door.

## Flush and Surface Trims

Flush trims for Benjamin-Starrett Standard Lighting Panel Boxes have a 1" overlap all around outside edge. Surface trims are flush with outside edge of box.

## Trim Adjustment

Trims are fastened to box by means of adjustable clamps (see Fig. C). These clamps permit flush mounting of trim where outer edge of box is recessed from plaster line and also the correct aligning of trim where box is out of plumb.

## Hardware

Doors on all standard lighting panelboard cabinets are equipped with a Yale combination spring latch and lock, with the exception of the small door on the safety type which is equipped with latch only. All hinges are flush.

## Directory Frames

Metal directory frame with circuit diagram card is furnished as standard equipment. Glass covered directory frames can be furnished at prices shown on page 50.

## Finish

Trims are finished dead black.  
Boxes are galvanized unpainted.

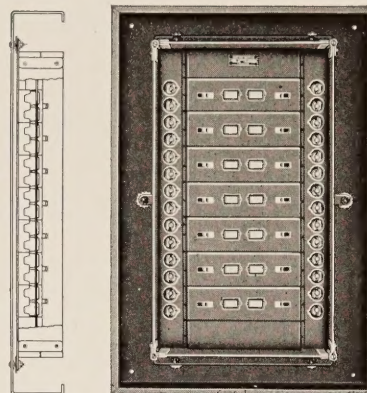


Fig. A Standard Box with Panel and Barrier

## Panel Adjustment

Every standard lighting panel box has a device which allows outward panel adjustments up to  $\frac{3}{4}$ " (see Fig. A). Panels are attached by means of four or more studs (see Fig. B), and can be positioned forward or backward on these studs by simply adjusting the locking nuts provided. This adjustment is necessary where edge of box is recessed from the plaster line. Extra large panel mounting holes

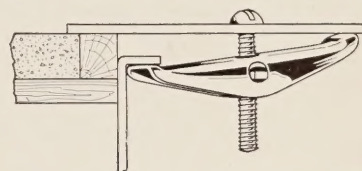
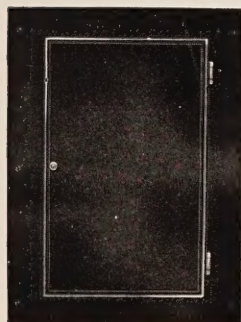
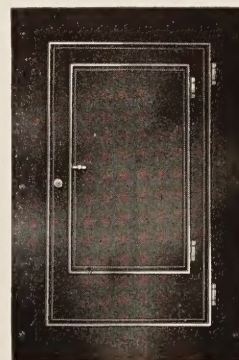


Figure C



Single Door Trim



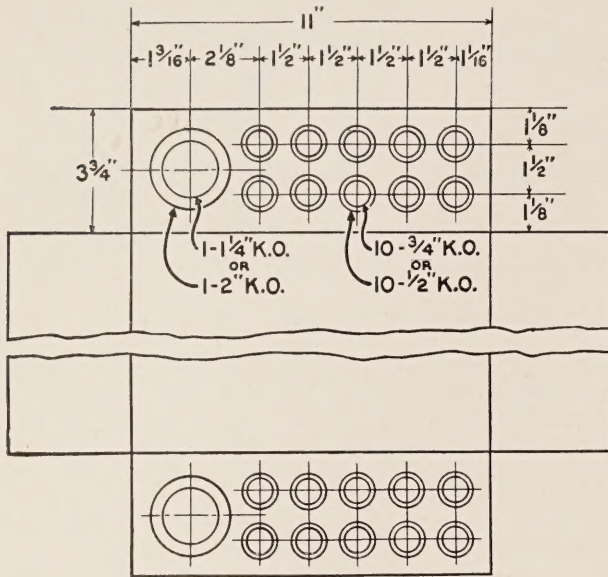
Door In-A-Door Trim



# Box Drilling

## Of Little Sentry and Type G Panelboards

Types NPG and PG

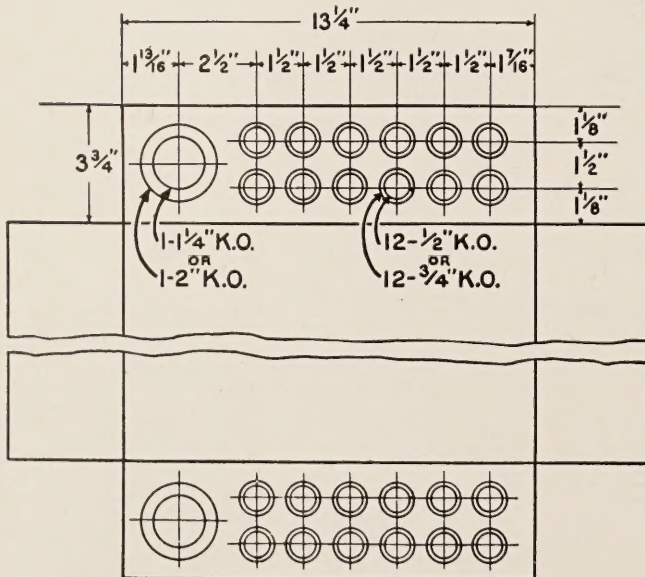


### Complete Units In Stock Ready for Immediate Shipment

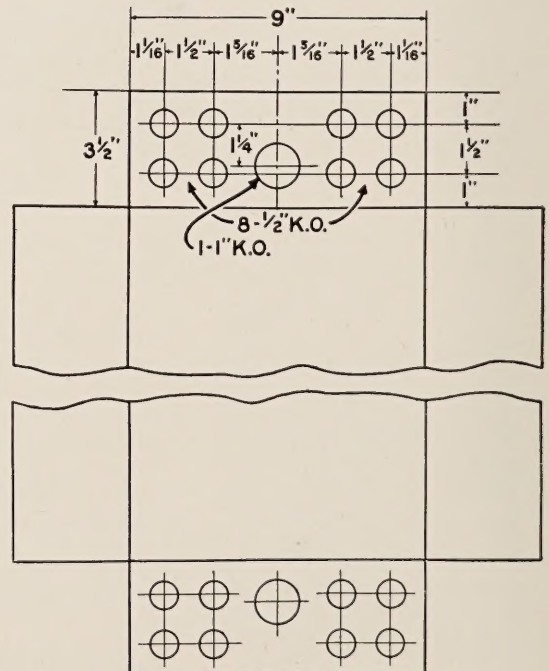
The various types of Little Sentry and Type G Panelboards listed in this catalog are carried in stock as complete units which are ready for immediate shipment. Each unit consists of a panel, trim and a box which is provided with knockouts, according to type, as shown by the diagrams on this page.



Types NCG and CG



Little Sentry Panel Box  
Types NP, P, NEP and EP

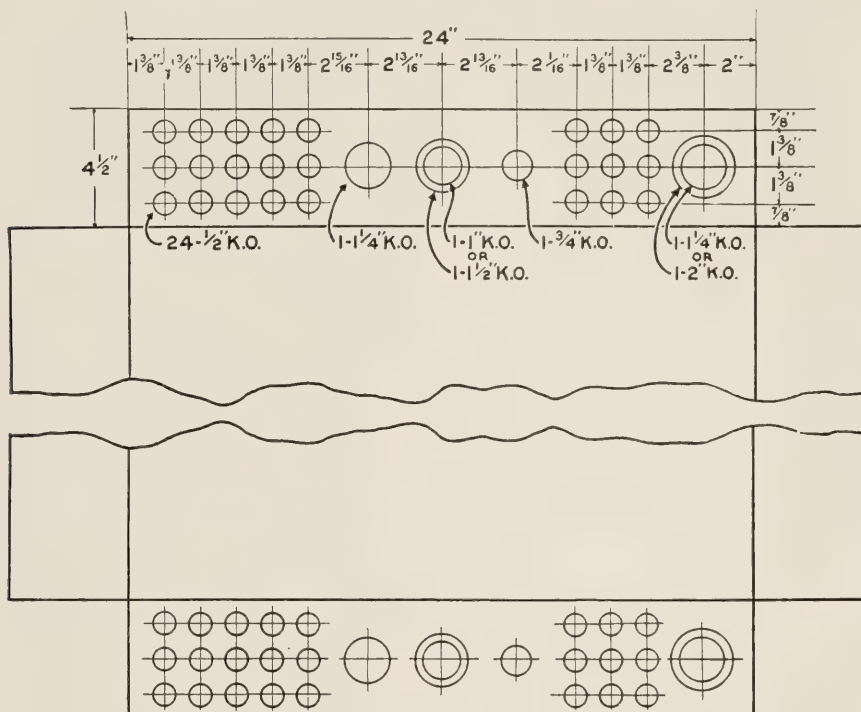




## Box Drilling

### For Standard Lighting Panelboards

Boxes for the STANDARD types of lighting panels listed in this catalog are provided with standard knockouts as shown by the diagram below. Boxes provided with this knockout arrangement ARE IN STOCK ready for immediate shipment. Save delay by ordering boxes with STANDARD knockouts from stock.



## Special Drilling

Boxes with standard knockouts will always be shipped unless otherwise specified, as standard knockouts will meet practically every wiring requirement. If special drilling should be required, we are prepared to furnish same without additional charge, on condition that full information accompanies order.

Minimum Distance Between Centers of Conduit											
Size of Conduit	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	
1/2	1 1/4	1 3/8	1 5/8	1 7/8	2	2 3/8	2 5/8	3	3 3/4	3 5/8	X Minimum
3/4	1 3/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3 1/4	3 3/8	3 3/4	Diam. of Hole
1	1 5/8	1 3/4	2	2 1/4	2 3/8	2 3/4	3	3 3/8	3 3/4	4	Federal Bushing
1 1/4	1 7/8	2	2 1/4	2 1/2	2 5/8	3	3 1/4	3 3/8	3 3/4	4 1/4	
1 1/2	2	2 1/4	2 3/8	2 3/4	2 5/8	3 1/4	3 3/8	3 3/4	4	4 3/4	
2	2 3/4	2 1/2	2 3/4	3	3 1/4	3 3/8	3 3/4	4 1/4	4 3/8	4 3/4	
2 1/2	2 5/8	2 3/4	3	3 1/4	3 3/8	3 3/4	4	4 3/8	4 3/4	5	
3	3	3 1/4	3 3/8	3 3/4	3 5/8	3 3/4	4 1/4	4 3/8	4 3/4	5	
3 1/2	3 1/4	3 3/8	3 5/8	3 3/4	3 5/8	4	4 3/8	4 3/4	5	5 1/4	
4	3 5/8	3 3/4	4	4 1/4	4 3/8	4 3/4	5	5 3/8	5 3/4	6	

NOTE—Special Drilling Templates, Form AD 1156, will be furnished on request. Specify number desired when ordering.



## General Information

**Quotations**—Will be gladly furnished on any special lighting panelboards, power panelboards, switchboards, metering panels, or any other special type of distribution centers. In requesting quotations on special apparatus please send complete information including either drawings or blue prints in order to avoid possibility of error.

**Drawings**—Specifications sometimes require shop drawing of panelboards and cabinets or switchboards. Drawings of typical panelboards and cabinets or general layout sketches of special panelboards and cabinets or switchboards will be furnished without charge. When DETAIL drawings are required on either standard or special equipment they will be furnished on the payment of a service charge. This service charge is based on the amount of time required in making up the drawings so always specify amount of detail necessary.

**Delivery**—Delivery will be made from our factory, f. o. b. Chicago, or at our option from New York Warehouse, f. o. b. New York, or San Francisco Warehouse, f. o. b. San Francisco.

Goods are shipped at the purchaser's risk. Our responsibility ceases when they have been received in good condition by the transportation company. In no case are they to be returned without our consent.

No shipments will be made from New York stock to Buffalo, Pittsburgh, or points West thereof.

For information regarding Freight Allowance and Express Shipments refer to Discount Sheet.

State definitely whether material is to be shipped express or freight. If no instructions are given shipment will be made in the most direct and economical manner.

On C. O. D. or Sight Draft Shipments, for distributors' account direct to their customers, 25% of the amount of the order shall be deposited with the distributor, or with this Company, to insure that shipment will be lifted promptly when presented.

Unusual care and attention is given to packing and every piece of equipment leaving the Factory is adequately protected, see illustration to right. Our responsibility ends when the shipment is turned over to the Transportation Company in good condition, so in signing carrier's receipt make sure that material has not been damaged in transit.

**Price**—Prices and discounts are subject to change without notice. Description and listing of material in this catalog supercede

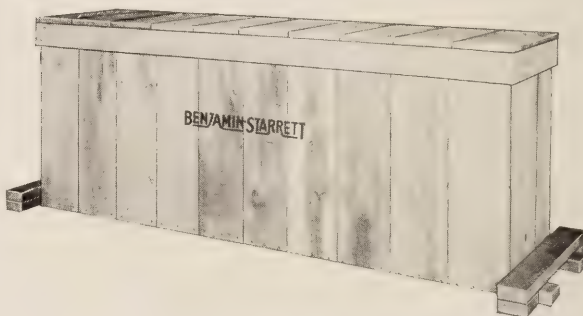
description of materials as published in former catalog bulletin and circulars.

A minimum charge of \$1.00 net will be made on all orders. No credit memorandum will be issued when the net amount is less than \$1.00.

Claims for making changes or repairs on panelboards and cabinets will not be allowed unless they are previously authorized by the main office of the Benjamin Electric Mfg. Co.

Claims of errors in filling orders for panelboards and cabinets or for defective material, if found to be justified will be adjusted entirely at the expense of the Benjamin Electric Mfg. Co., but it cannot be responsible for errors made by customers and adjustments in such cases will be at customers' expense.

**Changes or Cancellations**—When changes are made on an order after work has once been started the cost of such changes must be made at the customer's expense. Where cancellations are issued on orders which are already in progress a charge will be made that will prevent a loss to the Benjamin Electric Mfg. Co.



A typical Benjamin-Starrett shipping crate. Sturdy reinforced construction of thick shock-resisting pine, securely cross-lapped and braced.

**Returned Material**—No returned material will be accepted unless accompanied by a Returned Material Permission Slip, which can be obtained only from the main office of the Company at Chicago. The date and number of original order must accompany request to return material.

Special Material cannot be returned for credit. Should the customer desire to dispose of the special material and will furnish the main office of the Benjamin Electric Mfg. Co. with the order number on which it was shipped, a record will be made of it. When an order covering the same material is received, permission will be granted for its return and when received in good order; credit will be issued less any transportation charges and a service charge for handling.



# How to Order

## Benjamin-Starrett Standard Lighting Panelboards and Cabinets

### Give Catalog Number

Catalog number may be easily found by referring to indexed illustrations on listing pages and selecting type, style and size of panel required.

### Give following description:

#### 1. Capacity of Mains

\*1923 Code (see page 4).

Increased (give Capacity in Amperes  
See pages 48 and 49).

#### 2. Arrangement of Mains

\*2 Wire, 125 Volt.

\*3 Wire, 125-250 Volt.

2 Wire, 250 Volt.

3 Wire, 3 Phase, 125 or 250 Volt.

4 Wire, 3 Phase, 125 or 250 Volt.

#### 3. Equipment of Mains

\*(a) Lugs only.

\*(b) Fusible only.

\*(c) Fuseless Main Knife Switch.

\*(d) Fusible Main Knife Switch.

\*(e) Fusible Main Brush Switch.

#### 4. Location of Mains

Top of Panel or Bottom of Panel.

(See indexed illustrations for standards.)

#### 5. Number of Circuits

\*2 fuse panels catalogued in 4 to 32 circuits.

\*1 fuse panels catalogued in 4 to 64 circuits.

#### 6. Number of Fuses per Branch

\*2 or \*1 (polarity type.)

#### 7. Type of Fuses in Branches

\*Plug, or \*Cartridge.

#### 8. Type of Switches in Branches

\*30 Ampere, 250 Volt Tumbler, \*30 Ampere Knife.

#### 9. Sub-Feed and Through Feed

See pages 48 and 49, and give Capacity in Amperes.

#### 10. Style of Front

\*Safety Front—door-in-a-door, \*Protected Front—single door or double door and a metal shield covering live parts, or

\*Open Front—single door with live parts exposed.

#### 11. Type of Trim

\*Surface mounting or \*Flush mounting.

#### 12. Wiring Gutter

\*4 inches in boxes for standard lighting panel.

Prices for 5" and 6" gutter panels shown on page 50.

#### 13. Cabinet Drilling

\*Regularly furnished with Standard Knock-outs, as shown on page 9.

If special drilling should be required, we are prepared to furnish same without additional charge, on condition that full information accompanies each order. Special drilling templates (Form AD1156) will be furnished on request. Specify number desired when ordering.

#### 14. Gauge of Steel in Cabinet

\*According to National Electrical Code. Other thicknesses may be specified.

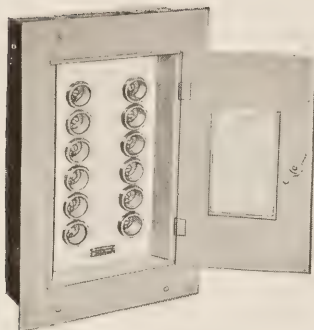
\*NOTE—All items marked with asterisk (\*) are standard equipment and are specified under catalog numbers. All other items must be specified separately.



## SECTION I

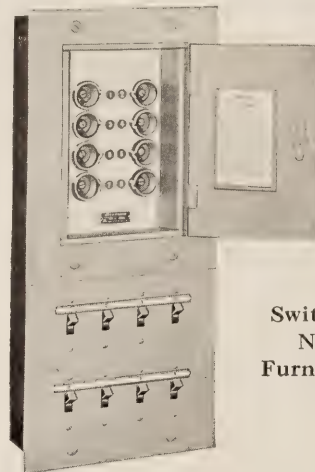
A Line of Standardized Panelboards which meet all the requirements of the average Residence, Store, Small Factory or Warehouse.

### Little Sentry Panels



1 1/2"  
Wiring Space

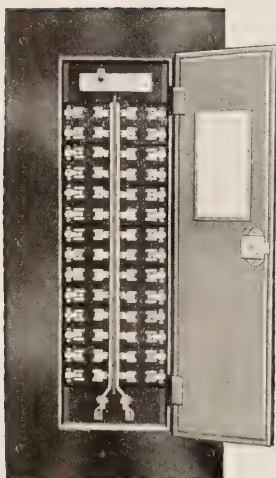
4 to 12 Branch Circuits  
Type NP—1 Fuse Panels  
Type P—2 Fuse Panels  
Page 14



Switches  
Not  
Furnished

4 to 12 Branch Circuits  
Type NEP—1 Fuse Panels  
Type EP—2 Fuse Panels  
Page 15

### Type G Panels



3"  
Wiring Gutter

4 to 20 Branch Circuits  
Type NCG—1 Fuse Panels  
Type CG—2 Fuse Panels  
Cartridge Fuses  
Page 17



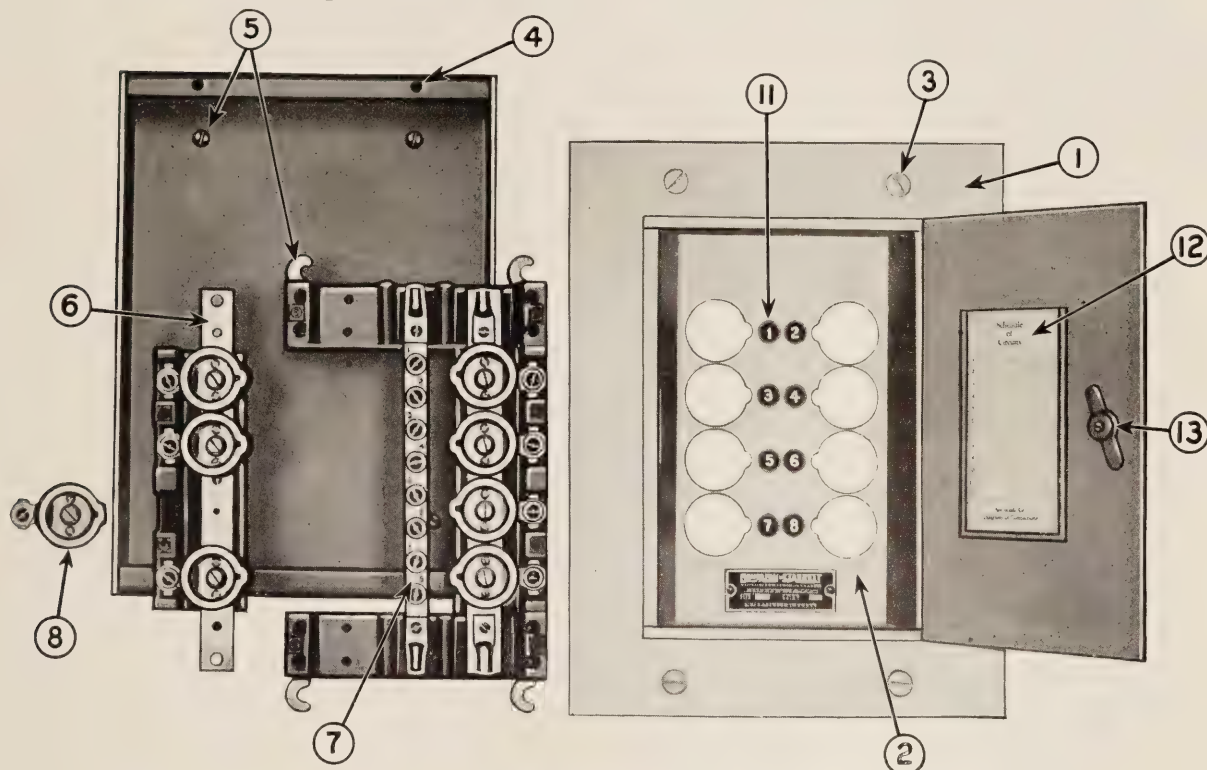
4 to 20 Branch Circuits  
Type NPG—1 Fuse Panels  
Type PG—2 Fuse Panels  
Plug Fuses  
Page 17



## SECTION I

## Little Sentry Panelboards With Cabinets

For Residences, Apartment Buildings, Small Stores, Schools, and similar places having from 4 to 12 branch circuits.



## FEATURES

1. One piece code gauge steel trim makes a neat appearing job. Trim, barrier, shield and door are all in one piece, thereby reducing the number of parts to be handled when installing.

2. Metal protective shield covers all live parts and assures absolute safety when renewing fuses.

3. Cabinet trim is removed by removing four screws.

4. Box ends, flanged and welded, provide threaded holes for the support of cabinet trim.

5. A quarter turn of four screws allows removal of panel as a unit to facilitate the pulling in of wires.

6. Panel fuse strips can be removed to give easy access to neutral bar connections by removing two screws.

7. Each neutral branch connection is stamped with circuit number and is opposite the fuse for that circuit, simplifying the tracing of circuits. This feature eliminates bunching of wires at one end of the panel.

8. Fuse receptacles removed as a unit from the panel by removing one screw. Note the fuse testing slot feature which makes it unnecessary to remove fuse for testing.

9. Wiring space,  $1\frac{1}{2}$  inches.

10. Knockouts at each end of box arranged to meet any conditions required in conduit or open wiring. See layouts on page 8.

11. Each circuit is clearly and legibly numbered.

12. A card, numbered on one side for a directory of circuits and showing diagram of wiring connections on the other side, is provided with each panelboard.

13. A strong, serviceable vault handle latch holds door tightly closed.

14. Trim overlaps box  $\frac{1}{2}$  inch on all sides making it suitable for either flush or surface mounting. Trim and shield are aluminum bronze finish.



## ONE FUSE PANELS

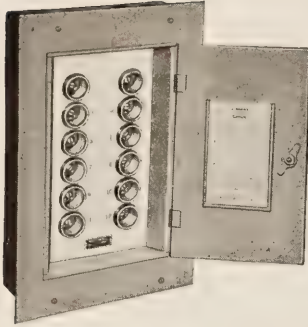
### Type NP Little Sentry Panels with Cabinets

For 3 Wire Service

Mains: 125-250 Volt

Branches: 125 Volt Arranged for Plug Fuses Only

FINISH: Trim and Shield are finished aluminum bronze.



No. of Cir.	Cat. No.	List Price	Box Dimensions in Inches			Shipping Weight Pounds
			Wide Outside	High Outside	Deep Inside	
4	66104	\$ 6.30	9 ½	9 ½	3 ½	15
6	66106	9.00	9 ½	11	3 ½	17
8	66108	10.80	9 ½	12 ½	3 ½	19
10	66110	12.60	9 ½	14	3 ½	21
12	66112	14.40	9 ½	15 ½	3 ½	23

## TWO FUSE PANELS

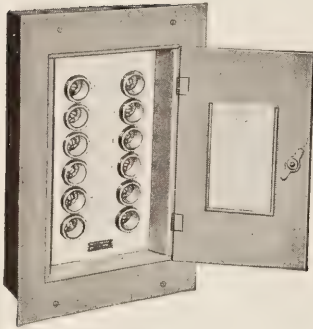
### Type P Little Sentry Panels with Cabinets

For 2 Wire and 3 Wire Service

Mains: 125-250 Volt 3 Wire, 125 Volt 2 Wire

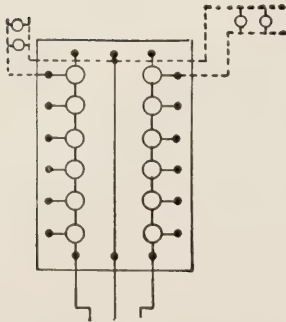
Branches: 125 Volt Arranged for Plug Fuses Only

FINISH: Trim and Shield are finished aluminum bronze.

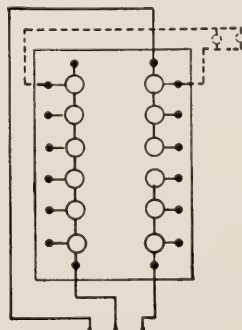


No. of Cir.	Cat. No.	List Price	Box Dimensions in Inches			Shipping Weight Pounds
			Wide Outside	High Outside	Deep Inside	
4	66204	\$ 9.00	9 ½	12 ½	3 ½	19
6	66206	13.50	9 ½	15 ½	3 ½	23
8	66208	16.20	9 ½	18 ½	3 ½	26
10	66210	18.90	9 ½	21 ½	3 ½	29
12	66212	22.50	9 ½	24 ½	3 ½	34

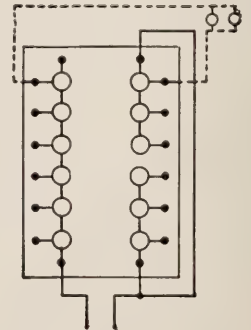
## Wiring Diagrams



3 Wire 125-250 Volt  
Type NP 1 Fuse



3 Wire 125-250 Volt  
Type P 2 Fuse



2 Wire 125 Volt  
Type P 2 Fuse



## ONE FUSE PANELS

### Type NEP Little Sentry Panels with Cabinets

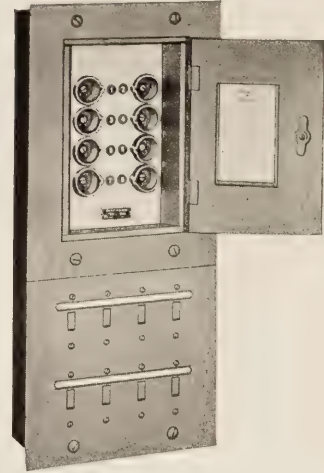
**Arranged with Switch Plates**

**For 3-Wire Service**

**Mains: 125-250 Volt**

**Branches: 125 Volt Arranged for Plug Fuses**

**FINISH:** Trim and Shield are finished aluminum bronze.



**Tumbler Switches  
Not Furnished**

No. of Cir.	No. Switch Mtg.	Cat. No.	List Price	Box Dimensions in Inches			Shipping Weight Pounds
				Wide Outside	High Outside	Deep Inside	
4	4	66304	\$ 8.60	9 ½	15 ½	3 ½	16
6	8	66306	12.50	9 ½	20	3 ½	18
8	8	66308	15.50	9 ½	21 ½	3 ½	20
10	12	66310	20.00	9 ½	27 ½	3 ½	23
12	12	66312	23.20	9 ½	29	3 ½	24

**Switches not included in above prices.**

## TWO FUSE PANELS

### Type EP Little Sentry Panels with Cabinets

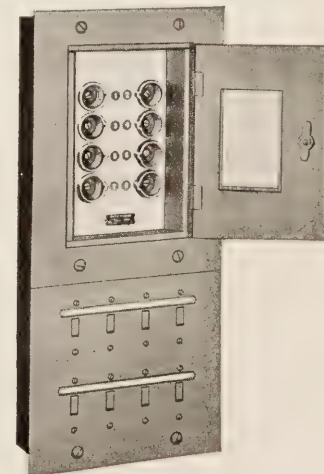
**Arranged with Switch Plates**

**For 2 Wire and 3 Wire Service**

**Mains: 125-250 Volt 3 Wire, 125 Volt 2 Wire**

**Branches: 125 Volt Arranged for Plug Fuses**

**FINISH:** Trim and Shield are finished aluminum bronze.



**Tumbler Switches  
Not Furnished**

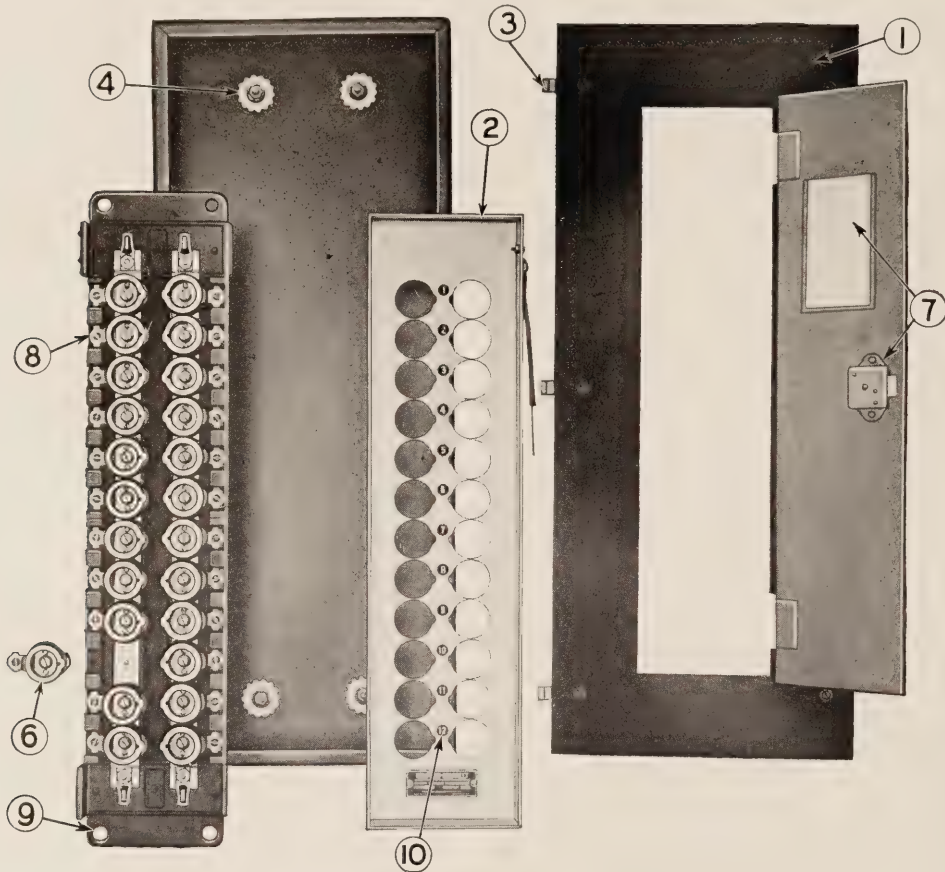
No. of Cir.	No. Switch Mtg.	Cat. No.	List Price	Box Dimensions in Inches			Shipping Weight Pounds
				Wide Outside	High Outside	Deep Inside	
4	4	66404	\$12.50	9 ½	18 ½	3 ½	20
6	8	66406	18.50	9 ½	24 ½	3 ½	24
8	8	66408	23.20	9 ½	27 ½	3 ½	27
10	12	66410	26.40	9 ½	35	3 ½	31
12	12	66412	30.50	9 ½	38	3 ½	36

**Switches not included in above prices.**



## Type G Panelboards with Cabinets

For Residences, Store Buildings, Apartment Buildings, Churches, Factories, Hospitals and Sanitariums.



### FEATURES

1. Surface or flush mounting trim of one-piece code gauge steel.
2. Combination steel barrier and shield.
3. Adjustable trim clamps secure fronts to boxes and permit plumbing of trim when box is out of alignment. These clamps are self-adjusting when box is recessed from plaster surface.
4. Adjustable panelboard supports, which allow an outward adjustment when box is recessed from plaster surface, are standard equipment on all boxes. They also permit adjustment to center, and plumb the panelboard when box is out of alignment.
5. Wiring gutter of 3 inches all around.
6. Fuse receptacles removable as a unit from the panel by removing one screw. Note the fuse testing slot feature which makes it unnecessary to remove fuse for testing.
7. Door is provided with a Yale combination spring latch and lock and circuit directory holder and card.
8. Composition bases mounted on one-piece steel back.
9. Extra large mounting holes for plumbing panel in box.
10. Each circuit individually marked.

## Type G Panels with Cabinets

### Type NPG Panels with Cabinets

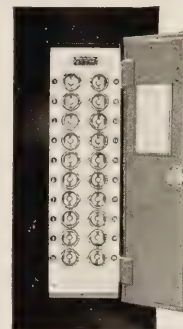
For 3 Wire Service

Mains: 125-250 Volt—1 Fuse Branches

Branches: 125 Volt Arranged for Plug Fuses Only

No. of Cir.	Panel with Cabinet		List Price	Gutter Space Inches	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.			Wide Outside	High Outside	Deep Inside	
4	60104	60154	\$21.00	3	11½	13½	3¾	22
6	60106	60156	23.00	3	11½	15	3¾	27
8	60108	60158	25.00	3	11½	16½	3¾	32
10	60110	60160	27.50	3	11½	18	3¾	37
12	60112	60162	30.00	3	11½	19½	3¾	42
14	60114	60164	32.50	3	11½	21	3¾	47
16	60116	60166	35.00	3	11½	22½	3¾	52
18	60118	60168	37.50	3	11½	24	3¾	57
20	60120	60170	40.00	3	11½	25½	3¾	62

**3 Wire Mains  
1 Fuse Branches**



### Type PG Panels with Cabinets

For 2 Wire and 3 Wire Service

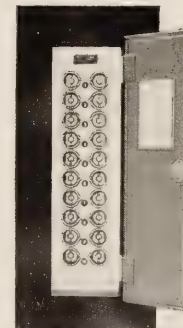
Mains: 125-250 Volt 3 Wire, 125 Volt 2 Wire

2 Fuse Branches

Branches: 125 Volt Arranged for Plug Fuses Only

No. of Cir.	Panel with Cabinet		List Price	Gutter Space Inches	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.			Wide Outside	High Outside	Deep Inside	
4	60204	60254	\$20.00	3	11½	16½	3¾	17
6	60206	60256	25.00	3	11½	19½	3¾	20
8	60208	60258	30.00	3	11½	22½	3¾	22
10	60210	60260	35.00	3	11½	25½	3¾	24
12	60212	60262	40.00	3	11½	28½	3¾	27
14	60214	60264	45.00	3	11½	31½	3¾	30
16	60216	60266	50.00	3	11½	34½	3¾	32
18	60218	60268	55.00	3	11½	37½	3¾	34
20	60220	60270	60.00	3	11½	40½	3¾	37

**2 or 3 Wire Mains  
2 Fuse Branches**



### Type NCG Panels with Cabinets

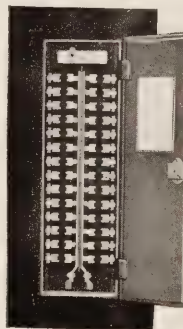
For 3 Wire Service

Mains: 125-250 Volt—1 Fuse Branches

Branches: 125 Volt Arranged for Cartridge Fuses Only

No. of Cir.	Panel with Cabinet		List Price	Gutter Space Inches	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.			Wide Outside	High Outside	Deep Inside	
4	60304	60354	\$23.00	3	13¾	15½	3¾	24
6	60306	60356	25.50	3	13¾	17	3¾	30
8	60308	60358	27.50	3	13¾	18½	3¾	35
10	60310	60360	30.50	3	13¾	20	3¾	41
12	60312	60362	33.00	3	13¾	21½	3¾	46
14	60314	60364	36.00	3	13¾	23	3¾	52
16	60316	60366	38.50	3	13¾	24½	3¾	57
18	60318	60368	41.00	3	13¾	26	3¾	63
20	60320	60370	44.00	3	13¾	27½	3¾	68

**3 Wire Mains  
1 Fuse Branches**



### Type CG Panels with Cabinets

For 2 Wire and 3 Wire Service

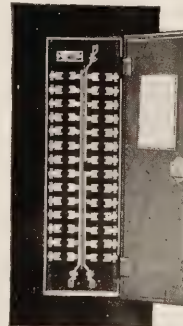
Mains: 125-250 Volt 3 Wire, 125 Volt 2 Wire

2 Fuse Branches

Branches: 125 Volt Arranged for Cartridge Fuses Only

No. of Cir.	Panel with Cabinet		List Price	Gutter Space Inches	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.			Wide Outside	High Outside	Deep Inside	
4	60404	60454	\$22.00	3	13¾	18½	3¾	19
6	60406	60456	27.50	3	13¾	21½	3¾	22
8	60408	60458	33.00	3	13¾	24½	3¾	24
10	60410	60460	38.50	3	13¾	27½	3¾	26
12	60412	60462	44.00	3	13¾	30½	3¾	30
14	60414	60464	49.50	3	13¾	33½	3¾	33
16	60416	60466	55.00	3	13¾	36½	3¾	35
18	60418	60468	60.50	3	13¾	39½	3¾	37
20	60420	60470	66.00	3	13¾	42½	3¾	41

**2 or 3 Wire Mains  
2 Fuse Branches**

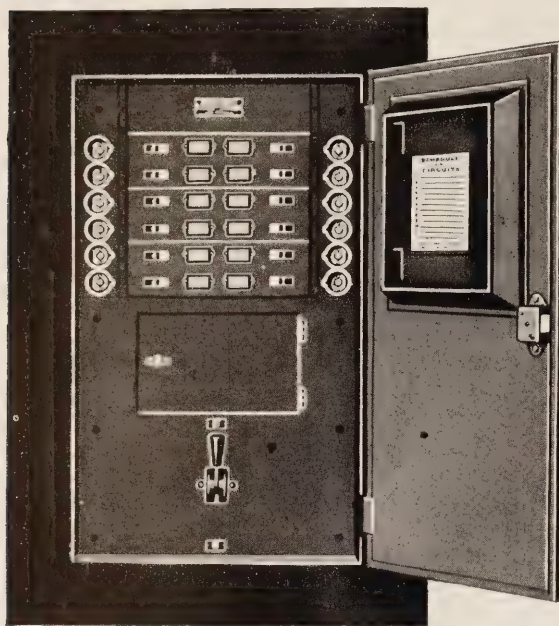




## SECTION II

## One-Fuse Panelboards With Cabinets

Each one fuse panel is equipped with Edison plug fuse receptacles or cartridge fuse clips in the ungrounded side of the branch circuit. Grounded wires are fed direct from copper neutral bar and are not fused. Where switches are shown they are single pole. For general specifications, see pages 4, 5, 6, and 7.



SAFETY FRONT TYPE

## Safety Front Type

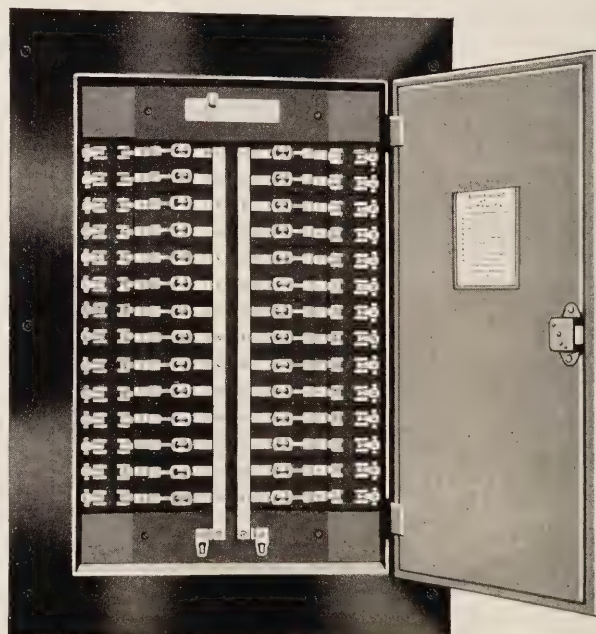
## Door-in-a-Door Cabinet

This safety type panel is of double-door construction—one smaller door within a larger one. Opening of the small door gives access to the switches of the branch circuits only, while opening of the large door exposes the full face of the panel.

This safety panel is intended for installations where branch switches are operated by inexperienced persons and fuses renewed by a maintenance man. The large door is provided with a Yale combination spring latch and lock, which effectively prevents over fusing by an inexperienced person, tampering with the main or branch connections, and theft of fuses. *All cabinets are regularly supplied with circuit directory card mounted in a metal directory frame—see illustration.*

Open Front Type  
Single Door Cabinet

The open front panel has a single door which gives access to all switches, fuses and connections on the face of the panel. Because of its open front construction this type is suitable for use only where operation of switches and replacement of fuses is made by some experienced person. The door is equipped with a Yale combination spring latch and lock which prevents unauthorized tampering. *All cabinets are regularly supplied with circuit directory card mounted in a metal directory frame—see illustration.*



OPEN FRONT TYPE

## SECTION II

## One Fuse Panelboards With Cabinets

## Protective Front Type

## Single Door Cabinet

This panel differs from the standard safety panel only in that it is furnished with a single door trim.

The cabinets for panels with Fusible Main Knife Switches have two individual doors, one exposing the knife switch, the other giving access to branch circuit switches and fuses. Both doors are equipped with a Yale combination spring latch and lock.

Panels with Fusible Mains, have a small door in the protective shield, giving access to the main fuses.

*All cabinets are equipped with a Circuit Directory Card mounted in a metal directory frame—see illustration.*



PROTECTIVE FRONT TYPE

## Index to Section II

## One-Fuse—Safety Front Type

Type NSPT	Tumbler Switches arranged for plug fuses.....	Page 20
Type NSCT	Tumbler Switches arranged for cartridge fuses.....	Page 21

## One-Fuse—Protective Front Type

Type NLP	Arranged for plug fuses only.....	Page 22
Type NLPT	Tumbler Switches arranged for plug fuses.....	Page 23

## One-Fuse—Open Front Type

Type NOC	Arranged for cartridge fuses only.....	Page 24
Type NOCT	Tumbler Switches arranged for cartridge fuses.....	Page 25
Type NOPK	Knife Switches arranged for plug fuses.....	Page 26
Type NOCK	Knife Switches arranged for cartridge fuses.....	Page 27

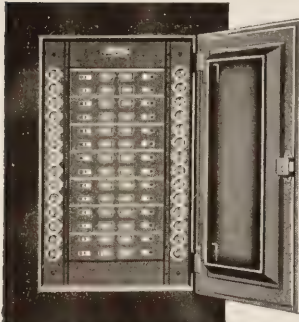


**3 Wire Mains  
1 Fuse Branches**

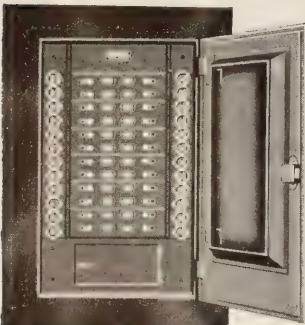
# Type NSPT Safety Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Plug Fuses. Mains: 125-250 Volt.

**DOOR IN A DOOR  
CABINETS**



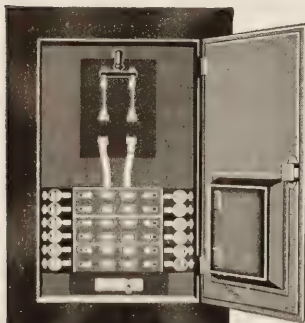
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush Type Switch.



With Fusible Main Knife Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	52004	52104	\$50.00	30	4	R18	24½	18	4½	90
8	52008	52108	60.00	60	4	R21	24½	21	4½	105
12	52012	52112	70.00	60	4	R24	24½	24	4½	120
16	52016	52116	86.00	100	4	R27	24½	27	4½	135
20	52020	52120	96.00	100	4	R30	24½	30	4½	150
24	52024	52124	106.00	100	4	R33	24½	33	4½	165
28	52028	52128	116.00	100	4	R36	24½	36	4½	180
32	52032	52132	126.00	100	4	R39	24½	39	4½	195
36	52036	52136	146.00	200	4	R42	24½	42	4½	210
40	52040	52140	156.00	200	4	R45	24½	45	4½	225
44	52044	52144	172.00	200	4	R48	24½	48	4½	240
48	52048	52148	182.00	200	4	R51	24½	51	4½	255
52	52052	52152	192.00	200	4	R54	24½	54	4½	270
56	52056	52156	206.00	200	4	R57	24½	57	4½	285
60	52060	52160	222.00	200	4	R60	24½	60	4½	305

<b>PANELS WITH FUSIBLE MAINS</b>										
4	52204	52304	\$62.00	30	4	R21	24 1/2	21	4 1/2	105
8	52208	52308	74.00	60	4	R24	24 1/2	24	4 1/2	120
12	52212	52312	86.00	60	4	R27	24 1/2	27	4 1/2	135
16	52216	52316	102.00	100	4	R36	24 1/2	36	4 1/2	180
20	52220	52320	114.00	100	4	R39	24 1/2	39	4 1/2	195
24	52224	52324	126.00	100	4	R42	24 1/2	42	4 1/2	210
28	52228	52328	138.00	100	4	R45	24 1/2	45	4 1/2	225
32	52232	52332	150.00	100	4	R48	24 1/2	48	4 1/2	240
36	52236	52336	172.00	200	4	R54	24 1/2	54	4 1/2	270
40	52240	52340	184.00	200	4	R57	24 1/2	57	4 1/2	285
44	52244	52344	204.00	200	4	R60	24 1/2	60	4 1/2	305
48	52248	52348	216.00	200	4	R63	24 1/2	63	4 1/2	325
52	52252	52352	228.00	200	4	R66	24 1/2	66	4 1/2	345
56	52256	52356	240.00	200	4	R69	24 1/2	69	4 1/2	365
60	52260	52360	252.00	200	4	R72	24 1/2	72	4 1/2	385

<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	52404	52504	\$80.00	30	4	R30	24 1/2	30	4 1/2	135
8	52408	52508	96.00	60	4	R33	24 1/2	33	4 1/2	150
12	52412	52512	108.00	60	4	R36	24 1/2	36	4 1/2	165
16	52416	52516	132.00	100	4	R42	24 1/2	42	4 1/2	195
20	52420	52520	144.00	100	4	R45	24 1/2	45	4 1/2	210
24	52424	52524	156.00	100	4	R48	24 1/2	48	4 1/2	225
28	52428	52528	168.00	100	4	R51	24 1/2	51	4 1/2	240
32	52432	52532	188.00	100	4	R54	24 1/2	54	4 1/2	255
36	52436	52536	222.00	200	4	V60	24 1/2	60	5 1/4	290
40	52440	52540	236.00	200	4	V63	24 1/2	63	5 1/4	310
44	52444	52544	248.00	200	4	V66	24 1/2	66	5 1/4	330
48	52448	52548	260.00	200	4	V69	24 1/2	69	5 1/4	350
52	52452	52552	272.00	200	4	V72	24 1/2	72	5 1/4	370
56	52456	52556	286.00	200	4	V75	24 1/2	75	5 1/4	390
60	52460	52560	302.00	200	4	V78	24 1/2	78	5 1/4	410

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	52604	52704	\$76.00	30	4	R27	24 1/2	27	4 1/2	135
8	52608	52708	93.00	60	4	R33	24 1/2	33	4 1/2	150
12	52612	52712	105.00	60	4	R36	24 1/2	36	4 1/2	165
16	52616	52716	130.00	100	4	R42	24 1/2	42	4 1/2	195
20	52620	52720	142.00	100	4	R45	24 1/2	45	4 1/2	210
24	52624	52724	154.00	100	4	R48	24 1/2	48	4 1/2	225
28	52628	52728	166.00	100	4	R51	24 1/2	51	4 1/2	240
32	52632	52732	186.00	100	4	R54	24 1/2	54	4 1/2	255
36	52636	52736	219.00	200	4	V60	24 1/2	60	5 1/4	290
40	52640	52740	233.00	200	4	V63	24 1/2	63	5 1/4	310
44	52644	52744	245.00	200	4	V66	24 1/2	66	5 1/4	330
48	52648	52748	257.00	200	4	V69	24 1/2	69	5 1/4	350
52	52652	52752	269.00	200	4	V72	24 1/2	72	5 1/4	370
56	52656	52756	283.00	200	4	V75	24 1/2	75	5 1/4	390
60	52660	52760	299.00	200	4	V78	24 1/2	78	5 1/4	410

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

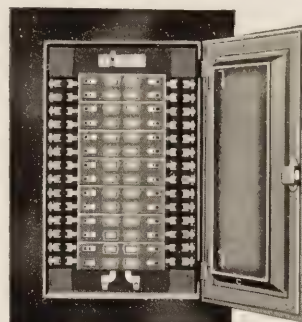
# Type NSCT Safety Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Cartridge Fuses. Mains: 125-250 Volt.

**3 Wire Mains  
1 Fuse Branches**

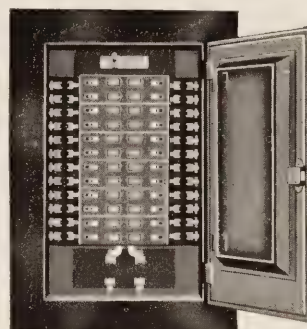
No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	52804	52904	\$50.00	30	4	R18	24½	18	4½	90
8	52808	52908	60.00	60	4	R21	24½	21	4½	105
12	52812	52912	70.00	60	4	R24	24½	24	4½	120
16	52816	52916	86.00	100	4	R27	24½	27	4½	135
20	52820	52920	96.00	100	4	R30	24½	30	4½	150
24	52824	52924	106.00	100	4	R33	24½	33	4½	165
28	52828	52928	116.00	100	4	R36	24½	36	4½	180
32	52832	52932	126.00	100	4	R39	24½	39	4½	195
36	52836	52936	146.00	200	4	R42	24½	42	4½	210
40	52840	52940	156.00	200	4	R45	24½	45	4½	225
44	52844	52944	172.00	200	4	R48	24½	48	4½	240
48	52848	52948	182.00	200	4	R51	24½	51	4½	255
52	52852	52952	192.00	200	4	R54	24½	54	4½	270
56	52856	52956	206.00	200	4	R57	24½	57	4½	285
60	52860	52960	222.00	200	4	R60	24½	60	4½	305

**DOOR IN A DOOR  
CABINETS**



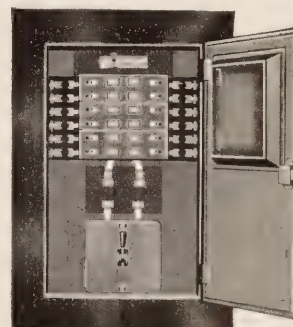
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	53004	53104	\$62.00	30	4	R21	24½	21	4½	105
8	53008	53108	74.00	60	4	R24	24½	24	4½	120
12	53012	53112	86.00	60	4	R27	24½	27	4½	135
16	53016	53116	102.00	100	4	R36	24½	36	4½	180
20	53020	53120	114.00	100	4	R39	24½	39	4½	195
24	53024	53124	126.00	100	4	R42	24½	42	4½	210
28	53028	53128	138.00	100	4	R45	24½	45	4½	225
32	53032	53132	150.00	100	4	R48	24½	48	4½	240
36	53036	53136	172.00	200	4	R54	24½	54	4½	270
40	53040	53140	184.00	200	4	R57	24½	57	4½	285
44	53044	53144	204.00	200	4	R60	24½	60	4½	305
48	53048	53148	216.00	200	4	R63	24½	63	4½	325
52	53052	53152	228.00	200	4	R66	24½	66	4½	345
56	53056	53156	240.00	200	4	R69	24½	69	4½	365
60	53060	53160	252.00	200	4	R72	24½	72	4½	385



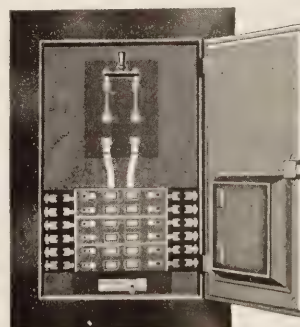
With Fusible Mains.

<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	53204	53304	\$80.00	30	4	R30	24½	30	4½	135
8	53208	53308	96.00	60	4	R33	24½	33	4½	150
12	53212	53312	108.00	60	4	R36	24½	36	4½	165
16	53216	53316	132.00	100	4	R42	24½	42	4½	195
20	53220	53320	144.00	100	4	R45	24½	45	4½	210
24	53224	53324	156.00	100	4	R48	24½	48	4½	225
28	53228	53328	168.00	100	4	R51	24½	51	4½	240
32	53232	53332	188.00	100	4	R54	24½	54	4½	255
36	53236	53336	222.00	200	4	V60	24½	60	5¼	290
40	53240	53340	236.00	200	4	V63	24½	63	5¼	310
44	53244	53344	248.00	200	4	V66	24½	66	5¼	330
48	53248	53348	260.00	200	4	V69	24½	69	5¼	350
52	53252	53352	272.00	200	4	V72	24½	72	5¼	370
56	53256	53356	286.00	200	4	V75	24½	75	5¼	390
60	53260	53360	302.00	200	4	V78	24½	78	5¼	410



With Fusible Main Brush  
Type Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	53404	53504	\$76.00	30	4	R27	24½	27	4½	135
8	53408	53508	93.00	60	4	R33	24½	33	4½	150
12	53412	53512	105.00	60	4	R36	24½	36	4½	165
16	53416	53516	130.00	100	4	R42	24½	42	4½	195
20	53420	53520	142.00	100	4	R45	24½	45	4½	210
24	53424	53524	154.00	100	4	R48	24½	48	4½	225
28	53428	53528	166.00	100	4	R51	24½	51	4½	240
32	53432	53532	186.00	100	4	R54	24½	54	4½	255
36	53436	53536	219.00	200	4	V60	24½	60	5¼	290
40	53440	53540	233.00	200	4	V63	24½	63	5¼	310
44	53444	53544	245.00	200	4	V66	24½	66	5¼	330
48	53448	53548	257.00	200	4	V69	24½	69	5¼	350
52	53452	53552	269.00	200	4	V72	24½	72	5¼	370
56	53456	53556	283.00	200	4	V75	24½	75	5¼	390
60	53460	53560	299.00	200	4	V78	24½	78	5¼	410



With Fusible Main Knife  
Switch.

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.



**3 Wire Mains  
1 Fuse Branches**

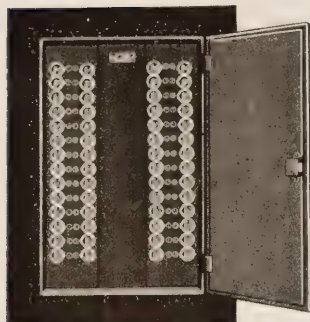
# Type NLP Protective Panels with Cabinets

Branches: 2 Wire, Plug Fuses Only.

Mains: 125-250 Volt.

**SINGLE DOOR  
CABINETS**

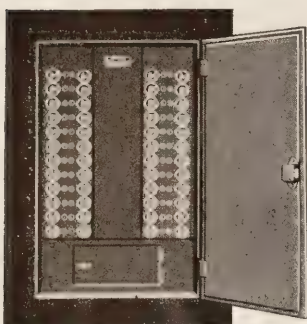
No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	



With Main Lugs Only

## PANELS WITH MAIN LUGS ONLY

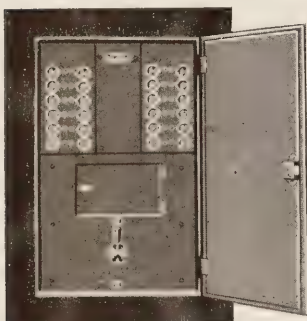
8	53608	53708	\$46.00	60	4	R18	24½	18	4½	90
16	53616	53716	56.00	100	4	R21	24½	21	4½	105
24	53624	53724	66.00	100	4	R24	24½	24	4½	120
32	53632	53732	76.00	100	4	R27	24½	27	4½	135
40	53640	53740	100.00	200	4	R30	24½	30	4½	150
48	53648	53748	115.00	200	4	R33	24½	33	4½	165
56	53656	53756	130.00	200	4	R36	24½	36	4½	180
64	53664	53764	150.00	200	4	R39	24½	39	4½	195



With Fusible Mains.

## PANELS WITH FUSIBLE MAINS

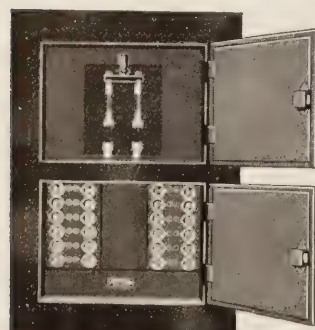
8	53808	53908	\$60.00	60	4	R21	24½	21	4½	105
16	53816	53916	80.00	100	4	R30	24½	30	4½	150
24	53824	53924	90.00	100	4	R33	24½	33	4½	165
32	53832	53932	105.00	100	4	R36	24½	36	4½	180
40	53840	53940	130.00	200	4	R42	24½	42	4½	210
48	53848	53948	145.00	200	4	R45	24½	45	4½	225
56	53856	53956	160.00	200	4	R48	24½	48	4½	240
64	53864	53964	175.00	200	4	R51	24½	51	4½	255



With Fusible Main Brush  
Type Switch.

## PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH

8	54008	54108	\$74.00	60	4	R30	24½	30	4½	135
16	54016	54116	95.00	100	4	R36	24½	36	4½	165
24	54024	54124	108.00	100	4	R39	24½	39	4½	180
32	54032	54132	120.00	100	4	R42	24½	42	4½	195
40	54040	54140	160.00	200	4	V48	24½	48	5¼	225
48	54048	54148	180.00	200	4	V51	24½	51	5¼	245
56	54056	54156	200.00	200	4	V54	24½	54	5¼	260
64	54064	54164	220.00	200	4	V57	24½	57	5¼	275



With Fusible Main Knife  
Switch.

## PANELS WITH FUSIBLE MAIN KNIFE SWITCH

8	54208	54308	\$71.00	60	4	R30	24½	30	4½	135
16	54216	54316	93.00	100	4	R36	24½	36	4½	165
24	54224	54324	106.00	100	4	R39	24½	39	4½	180
32	54232	54332	118.00	100	4	R42	24½	42	4½	195
40	54240	54340	157.00	200	4	V48	24½	48	5¼	225
48	54248	54348	177.00	200	4	V51	24½	51	5¼	245
56	54256	54356	197.00	200	4	V54	24½	54	5¼	260
64	54264	54364	217.00	200	4	V57	24½	57	5¼	275

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

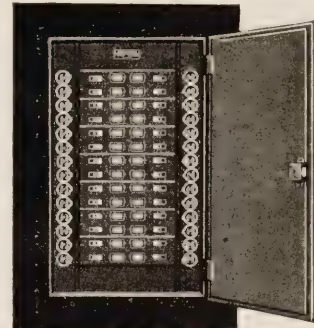
# Type NLPT Protective Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Plug Fuses. Mains: 125-250 Volt.

**3 Wire Mains  
1 Fuse Branches**

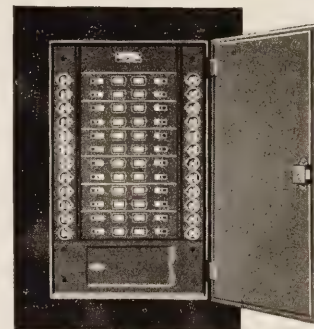
## SINGLE DOOR CABINETS

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	54404	54504	\$34.00	30	4	R18	24½	18	4½	90
8	54408	54508	40.00	60	4	R21	24½	21	4½	105
12	54412	54512	50.00	60	4	R24	24½	24	4½	120
16	54416	54516	74.00	100	4	R27	24½	27	4½	135
20	54420	54520	84.00	100	4	R30	24½	30	4½	150
24	54424	54524	94.00	100	4	R33	24½	33	4½	165
28	54428	54528	104.00	100	4	R36	24½	36	4½	180
32	54432	54532	114.00	100	4	R39	24½	39	4½	195
36	54436	54536	134.00	200	4	R42	24½	42	4½	210
40	54440	54540	144.00	200	4	R45	24½	45	4½	225
44	54444	54544	160.00	200	4	R48	24½	48	4½	240
48	54448	54548	170.00	200	4	R51	24½	51	4½	255
52	54452	54552	180.00	200	4	R54	24½	54	4½	270
56	54456	54556	194.00	200	4	R57	24½	57	4½	285
60	54460	54560	210.00	200	4	R60	24½	60	4½	305



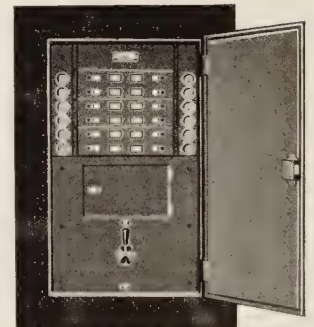
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	54604	54704	\$46.00	30	4	R21	24 1/2	21	4 1/2	105
8	54608	54708	58.00	60	4	R24	24 1/2	24	4 1/2	120
12	54612	54712	70.00	60	4	R27	24 1/2	27	4 1/2	135
16	54616	54716	90.00	100	4	R36	24 1/2	36	4 1/2	180
20	54620	54720	102.00	100	4	R39	24 1/2	39	4 1/2	195
24	54624	54724	114.00	100	4	R42	24 1/2	42	4 1/2	210
28	54628	54728	126.00	100	4	R45	24 1/2	45	4 1/2	225
32	54632	54732	138.00	100	4	R48	24 1/2	48	4 1/2	240
36	54636	54736	160.00	200	4	R54	24 1/2	54	4 1/2	270
40	54640	54740	172.00	200	4	R57	24 1/2	57	4 1/2	285
44	54644	54744	192.00	200	4	R60	24 1/2	60	4 1/2	305
48	54648	54748	204.00	200	4	R63	24 1/2	63	4 1/2	325
52	54652	54752	216.00	200	4	R66	24 1/2	66	4 1/2	345
56	54656	54756	228.00	200	4	R69	24 1/2	69	4 1/2	365
60	54660	54760	240.00	200	4	R72	24 1/2	72	4 1/2	385



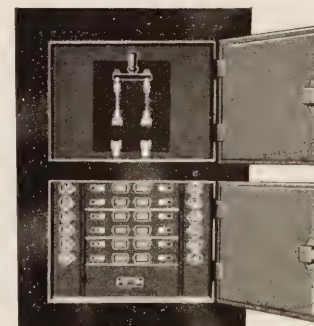
With Fusible Mains.

<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	54804	54904	\$68.00	30	4	R30	24 1/2	30	4 1/2	135
8	54808	54908	84.00	60	4	R33	24 1/2	33	4 1/2	150
12	54812	54912	96.00	60	4	R36	24 1/2	36	4 1/2	165
16	54816	54916	120.00	100	4	R42	24 1/2	42	4 1/2	195
20	54820	54920	132.00	100	4	R45	24 1/2	45	4 1/2	210
24	54824	54924	144.00	100	4	R48	24 1/2	48	4 1/2	225
28	54828	54928	156.00	100	4	R51	24 1/2	51	4 1/2	240
32	54832	54932	176.00	100	4	R54	24 1/2	54	4 1/2	255
36	54836	54936	210.00	200	4	V60	24 1/2	60	5 1/4	290
40	54840	54940	224.00	200	4	V63	24 1/2	63	5 1/4	310
44	54844	54944	236.00	200	4	V66	24 1/2	66	5 1/4	330
48	54848	54948	248.00	200	4	V69	24 1/2	69	5 1/4	350
52	54852	54952	260.00	200	4	V72	24 1/2	72	5 1/4	370
56	54856	54956	274.00	200	4	V75	24 1/2	75	5 1/4	390
60	54860	54960	290.00	200	4	V78	24 1/2	78	5 1/4	410



With Fusible Main Brush  
Type Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	55004	55104	\$64.00	30	4	R27	24 1/2	27	4 1/2	135
8	55008	55108	81.00	60	4	R33	24 1/2	33	4 1/2	150
12	55012	55112	93.00	60	4	R36	24 1/2	36	4 1/2	165
16	55016	55116	118.00	100	4	R42	24 1/2	42	4 1/2	195
20	55020	55120	130.00	100	4	R45	24 1/2	45	4 1/2	210
24	55024	55124	142.00	100	4	R48	24 1/2	48	4 1/2	225
28	55028	55128	154.00	100	4	R51	24 1/2	51	4 1/2	240
32	55032	55132	174.00	100	4	R54	24 1/2	54	4 1/2	255
36	55036	55136	207.00	200	4	V60	24 1/2	60	5 1/4	290
40	55040	55140	221.00	200	4	V63	24 1/2	63	5 1/4	310
44	55044	55144	233.00	200	4	V66	24 1/2	66	5 1/4	330
48	55048	55148	245.00	200	4	V69	24 1/2	69	5 1/4	350
52	55052	55152	257.00	200	4	V72	24 1/2	72	5 1/4	370
56	55056	55156	271.00	200	4	V75	24 1/2	75	5 1/4	390
60	55060	55160	287.00	200	4	V78	24 1/2	78	5 1/4	410



With Fusible Main Knife  
Switch.

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

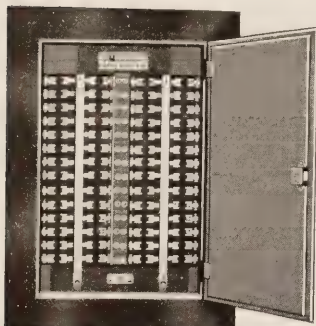


**3 Wire Mains  
1 Fuse Branches**

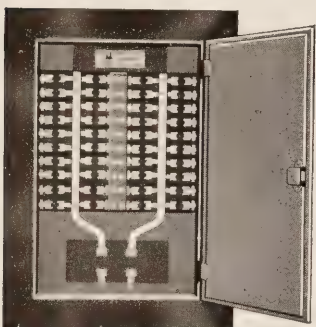
# Type NOC Open Front Panels with Cabinets

Branches: 2 Wire, Cartridge Fuses Only.  
Mains: 125-250 Volt.

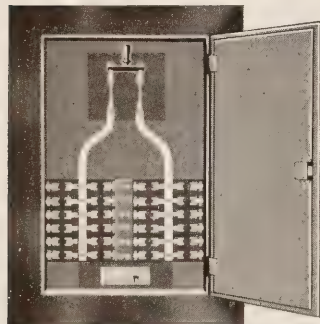
**SINGLE DOOR  
CABINETS**



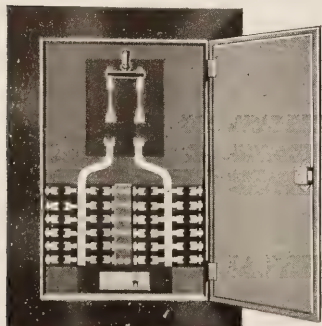
With Main Lugs Only.



With Fusible Mains.



With Fuseless Main Knife Switch.



With Fusible Main Knife Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	

## PANELS WITH MAIN LUGS ONLY

8	55208	55308	\$46.00	60	4	R18	24½	18	4½	90
16	55216	55316	56.00	100	4	R21	24½	21	4½	105
24	55224	55324	66.00	100	4	R24	24½	24	4½	120
32	55232	55332	76.00	100	4	R27	24½	27	4½	135
40	55240	55340	100.00	200	4	R30	24½	30	4½	150
48	55248	55348	115.00	200	4	R33	24½	33	4½	165
56	55256	55356	130.00	200	4	R36	24½	36	4½	180
64	55264	55364	150.00	200	4	R39	24½	39	4½	195

## PANELS WITH FUSIBLE MAINS

8	55408	55508	\$60.00	60	4	R21	24½	21	4½	105
16	55416	55516	80.00	100	4	R30	24½	30	4½	150
24	55424	55524	90.00	100	4	R33	24½	33	4½	165
32	55432	55532	105.00	100	4	R36	24½	36	4½	180
40	55440	55540	130.00	200	4	R42	24½	42	4½	210
48	55448	55548	145.00	200	4	R45	24½	45	4½	225
56	55456	55556	160.00	200	4	R48	24½	48	4½	240
64	55464	55564	175.00	200	4	R51	24½	51	4½	255

## PANELS WITH FUSELESS MAIN KNIFE SWITCH

8	55608	55708	\$71.00	60	4	R30	24½	30	4½	135
16	55616	55716	93.00	100	4	R36	24½	36	4½	165
24	55624	55724	106.00	100	4	R39	24½	39	4½	180
32	55632	55732	118.00	100	4	R42	24½	42	4½	195
40	55640	55740	157.00	200	4	R48	24½	48	4½	225
48	55648	55748	177.00	200	4	R51	24½	51	4½	245
56	55656	55756	197.00	200	4	R54	24½	54	4½	260
64	55664	55764	217.00	200	4	R57	24½	57	4½	275

## PANELS WITH FUSIBLE MAIN KNIFE SWITCH

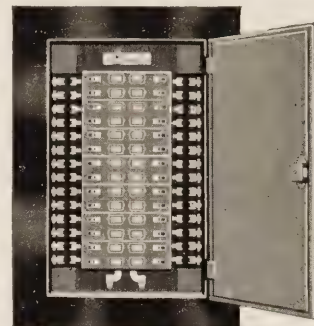
8	55808	55908	\$71.00	60	4	R30	24½	30	4½	135
16	55816	55916	93.00	100	4	R36	24½	36	4½	165
24	55824	55924	106.00	100	4	R39	24½	39	4½	180
32	55832	55932	118.00	100	4	R42	24½	42	4½	195
40	55840	55940	157.00	200	4	V48	24½	48	5¼	225
48	55848	55948	177.00	200	4	V51	24½	51	5¼	245
56	55856	55956	197.00	200	4	V54	24½	54	5¼	260
64	55864	55964	217.00	200	4	V57	24½	57	5¼	275

# Type NOCT Open Front Panels with Cabinets

**3 Wire Mains  
1 Fuse Branches**

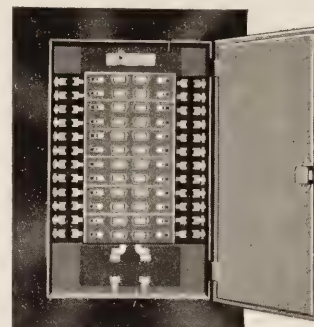
Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Cartridge Fuses. Mains: 125-250 Volt.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	56004	56104	\$34.00	30	4	R18	24½	18	4½	90
8	56008	56108	40.00	60	4	R21	24½	21	4½	105
12	56012	56112	50.00	60	4	R24	24½	24	4½	120
16	56016	56116	74.00	100	4	R27	24½	27	4½	135
20	56020	56120	84.00	100	4	R30	24½	30	4½	150
24	56024	56124	94.00	100	4	R33	24½	33	4½	165
28	56028	56128	104.00	100	4	R36	24½	36	4½	180
32	56032	56132	114.00	100	4	R39	24½	39	4½	195
36	56036	56136	134.00	200	4	R42	24½	42	4½	210
40	56040	56140	144.00	200	4	R45	24½	45	4½	225
44	56044	56144	160.00	200	4	R48	24½	48	4½	240
48	56048	56148	170.00	200	4	R51	24½	51	4½	255
52	56052	56152	180.00	200	4	R54	24½	54	4½	270
56	56056	56156	194.00	200	4	R57	24½	57	4½	285
60	56060	56160	210.00	200	4	R60	24½	60	4½	305



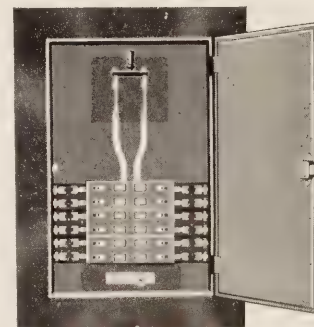
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	56204	56304	\$46.00	30	4	R21	24½	21	4½	105
8	56208	56308	58.00	60	4	R24	24½	24	4½	120
12	56212	56312	70.00	60	4	R27	24½	27	4½	135
16	56216	56316	90.00	100	4	R36	24½	36	4½	180
20	56220	56320	102.00	100	4	R39	24½	39	4½	195
24	56224	56324	114.00	100	4	R42	24½	42	4½	210
28	56228	56328	126.00	100	4	R45	24½	45	4½	225
32	56232	56332	138.00	100	4	R48	24½	48	4½	240
36	56236	56336	160.00	200	4	R54	24½	54	4½	270
40	56240	56340	172.00	200	4	R57	24½	57	4½	285
44	56244	56344	192.00	200	4	R60	24½	60	4½	305
48	56248	56348	204.00	200	4	R63	24½	63	4½	325
52	56252	56352	216.00	200	4	R66	24½	66	4½	345
56	56256	56356	228.00	200	4	R69	24½	69	4½	365
60	56260	56360	240.00	200	4	R72	24½	72	4½	385



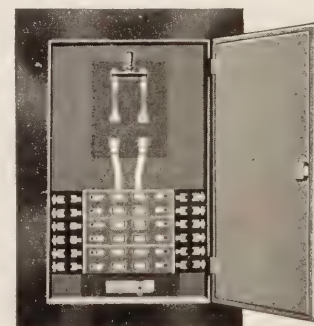
With Fusible Mains.

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	56404	56504	\$64.00	30	4	R27	24½	27	4½	135
8	56408	56508	81.00	60	4	R33	24½	33	4½	150
12	56412	56512	93.00	60	4	R36	24½	36	4½	165
16	56416	56516	118.00	100	4	R42	24½	42	4½	195
20	56420	56520	130.00	100	4	R45	24½	45	4½	210
24	56424	56524	142.00	100	4	R48	24½	48	4½	225
28	56428	56528	154.00	100	4	R51	24½	51	4½	240
32	56432	56532	174.00	100	4	R54	24½	54	4½	255
36	56436	56536	207.00	200	4	R60	24½	60	4½	290
40	56440	56540	221.00	200	4	R63	24½	63	4½	310
44	56444	56544	233.00	200	4	R66	24½	66	4½	330
48	56448	56548	245.00	200	4	R69	24½	69	4½	350
52	56452	56552	257.00	200	4	R72	24½	72	4½	370
56	56456	56556	271.00	200	4	R75	24½	75	4½	390
60	56460	56560	287.00	200	4	R78	24½	78	4½	410



With Fuseless Main Knife Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	56604	56704	\$64.00	30	4	R27	24½	27	4½	135
8	56608	56708	81.00	60	4	R33	24½	33	4½	150
12	56612	56712	93.00	60	4	R36	24½	36	4½	165
16	56616	56716	118.00	100	4	R42	24½	42	4½	195
20	56620	56720	130.00	100	4	R45	24½	45	4½	210
24	56624	56724	142.00	100	4	R48	24½	48	4½	225
28	56628	56728	154.00	100	4	R51	24½	51	4½	240
32	56632	56732	174.00	100	4	R54	24½	54	4½	255
36	56636	56736	207.00	200	4	V60	24½	60	5¼	290
40	56640	56740	221.00	200	4	V63	24½	63	5¼	310
44	56644	56744	233.00	200	4	V66	24½	66	5¼	330
48	56648	56748	245.00	200	4	V69	24½	69	5¼	350
52	56652	56752	257.00	200	4	V72	24½	72	5¼	370
56	56656	56756	271.00	200	4	V75	24½	75	5¼	390
60	56660	56760	287.00	200	4	V78	24½	78	5¼	410



With Fusible Main Knife Switch.

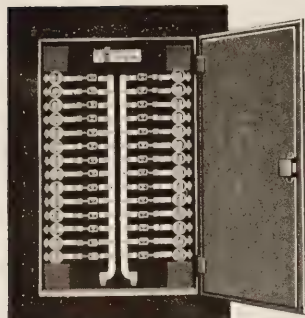


**3 Wire Mains  
1 Fuse Branches**

# Type NOPK Open Front Panels with Cabinets

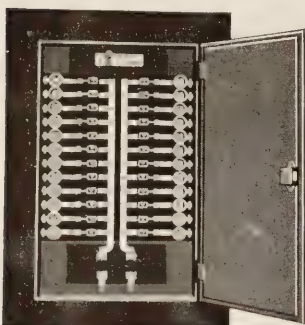
Branches: 2 Wire, 30 Amp. 125 V. Knife Switches, Plug Fuses.  
Mains: 125-250 Volt.

**SINGLE DOOR  
CABINETS**



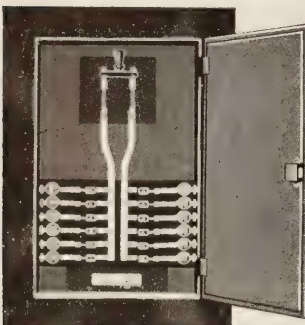
With Main Lugs Only.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	56804	56904	\$40.00	30	4	R18	24½	18	4½	85
8	56808	56908	50.00	60	4	R21	24½	21	4½	100
12	56812	56912	60.00	60	4	R24	24½	24	4½	115
16	56816	56916	72.00	100	4	R27	24½	27	4½	130
20	56820	56920	84.00	100	4	R30	24½	30	4½	145
24	56824	56924	94.00	100	4	R33	24½	33	4½	160
28	56828	56928	104.00	100	4	R36	24½	36	4½	175
32	56832	56932	114.00	100	4	R39	24½	39	4½	185
36	56836	56936	134.00	200	4	R42	24½	42	4½	200
40	56840	56940	148.00	200	4	R45	24½	45	4½	215
44	56844	56944	162.00	200	4	R48	24½	48	4½	225
48	56848	56948	176.00	200	4	R51	24½	51	4½	240
52	56852	56952	190.00	200	4	R54	24½	54	4½	255
56	56856	56956	204.00	200	4	R57	24½	57	4½	270
60	56860	56960	218.00	200	4	R60	24½	60	4½	285



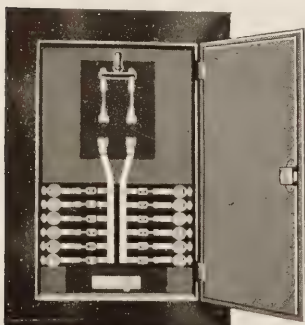
With Fusible Mains.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	57004	57104	\$46.00	30	4	R21	24½	21	4½	100
8	57008	57108	58.00	60	4	R24	24½	24	4½	115
12	57012	57112	68.00	60	4	R27	24½	27	4½	130
16	57016	57116	82.00	100	4	R36	24½	36	4½	175
20	57020	57120	94.00	100	4	R39	24½	39	4½	190
24	57024	57124	114.00	100	4	R42	24½	42	4½	200
28	57028	57128	126.00	100	4	R45	24½	45	4½	215
32	57032	57132	138.00	100	4	R48	24½	48	4½	225
36	57036	57136	158.00	200	4	R54	24½	54	4½	255
40	57040	57140	172.00	200	4	R57	24½	57	4½	270
44	57044	57144	186.00	200	4	R60	24½	60	4½	285
48	57048	57148	200.00	200	4	R63	24½	63	4½	305
52	57052	57152	214.00	200	4	R66	24½	66	4½	325
56	57056	57156	228.00	200	4	R69	24½	69	4½	345
60	57060	57160	242.00	200	4	R72	24½	72	4½	360



With Fuseless Main Knife Switch.

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	57204	57304	\$55.00	30	4	R27	24½	27	4½	115
8	57208	57308	65.00	60	4	R33	24½	33	4½	145
12	57212	57312	75.00	60	4	R36	24½	36	4½	160
16	57216	57316	90.00	100	4	R42	24½	42	4½	190
20	57220	57320	102.00	100	4	R45	24½	45	4½	205
24	57224	57324	126.00	100	4	R48	24½	48	4½	225
28	57228	57328	138.00	100	4	R51	24½	51	4½	240
32	57232	57332	150.00	100	4	R54	24½	54	4½	255
36	57236	57336	188.00	200	4	R60	24½	60	4½	285
40	57240	57340	202.00	200	4	R63	24½	63	4½	305
44	57244	57344	216.00	200	4	R66	24½	66	4½	320
48	57248	57348	230.00	200	4	R69	24½	69	4½	340
52	57252	57352	244.00	200	4	R72	24½	72	4½	360
56	57256	57356	258.00	200	4	R75	24½	75	4½	380
60	57260	57360	272.00	200	4	R78	24½	78	4½	400



With Fusible Main Knife Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	57404	57504	\$55.00	30	4	R27	24½	27	4½	115
8	57408	57508	65.00	60	4	R33	24½	33	4½	145
12	57412	57512	75.00	60	4	R36	24½	36	4½	160
16	57416	57516	90.00	100	4	R42	24½	42	4½	190
20	57420	57520	102.00	100	4	R45	24½	45	4½	205
24	57424	57524	126.00	100	4	R48	24½	48	4½	225
28	57428	57528	138.00	100	4	R51	24½	51	4½	240
32	57432	57532	150.00	100	4	R54	24½	54	4½	255
36	57436	57536	188.00	200	4	V60	24½	60	5¼	285
40	57440	57540	202.00	200	4	V63	24½	63	5¼	305
44	57444	57544	216.00	200	4	V66	24½	66	5¼	320
48	57448	57548	230.00	200	4	V69	24½	69	5¼	340
52	57452	57552	244.00	200	4	V72	24½	72	5¼	360
56	57456	57556	258.00	200	4	V75	24½	75	5¼	380
60	57460	57560	272.00	200	4	V78	24½	78	5¼	400

# Type NOCK Open Front Panels with Cabinets

Branches: 2 Wire, 30 Amp. 125 V. Knife Switches, Cartridge Fuses.

Mains: 125-250 Volt.

**3 Wire Mains  
1 Fuse Branches**

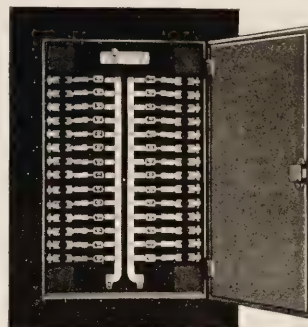
No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	57604	57704	\$40.00	30	4	R18	24½	18	4½	85
8	57608	57708	50.00	60	4	R21	24½	21	4½	100
12	57612	57712	60.00	60	4	R24	24½	24	4½	115
16	57616	57716	72.00	100	4	R27	24½	27	4½	130
20	57620	57720	84.00	100	4	R30	24½	30	4½	145
24	57624	57724	94.00	100	4	R33	24½	33	4½	160
28	57628	57728	104.00	100	4	R36	24½	36	4½	175
32	57632	57732	114.00	100	4	R39	24½	39	4½	185
36	57636	57736	134.00	200	4	R42	24½	42	4½	200
40	57640	57740	148.00	200	4	R45	24½	45	4½	215
44	57644	57744	162.00	200	4	R48	24½	48	4½	225
48	57648	57748	176.00	200	4	R51	24½	51	4½	240
52	57652	57752	190.00	200	4	R54	24½	54	4½	255
56	57656	57756	204.00	200	4	R57	24½	57	4½	270
60	57660	57760	218.00	200	4	R60	24½	60	4½	285

<b>PANELS WITH FUSIBLE MAINS</b>										
4	57804	57904	\$46.00	30	4	R21	24½	21	4½	100
8	57808	57908	58.00	60	4	R24	24½	24	4½	115
12	57812	57912	68.00	60	4	R27	24½	27	4½	130
16	57816	57916	82.00	100	4	R36	24½	36	4½	175
20	57820	57920	94.00	100	4	R39	24½	39	4½	190
24	57824	57924	114.00	100	4	R42	24½	42	4½	200
28	57828	57928	126.00	100	4	R45	24½	45	4½	215
32	57832	57932	138.00	100	4	R48	24½	48	4½	225
36	57836	57936	158.00	200	4	R54	24½	54	4½	255
40	57840	57940	172.00	200	4	R57	24½	57	4½	270
44	57844	57944	186.00	200	4	R60	24½	60	4½	285
48	57848	57948	200.00	200	4	R63	24½	63	4½	305
52	57852	57952	214.00	200	4	R66	24½	66	4½	325
56	57856	57956	228.00	200	4	R69	24½	69	4½	345
60	57860	57960	242.00	200	4	R72	24½	72	4½	360

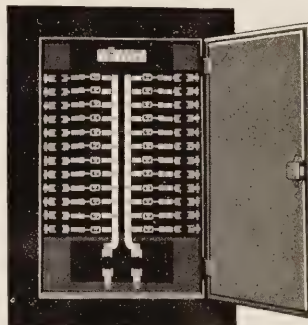
<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	58004	58104	\$55.00	30	4	R27	24½	27	4½	115
8	58008	58108	65.00	60	4	R33	24½	33	4½	145
12	58012	58112	75.00	60	4	R36	24½	36	4½	160
16	58016	58116	90.00	100	4	R42	24½	42	4½	190
20	58020	58120	102.00	100	4	R45	24½	45	4½	205
24	58024	58124	126.00	100	4	R48	24½	48	4½	225
28	58028	58128	138.00	100	4	R51	24½	51	4½	240
32	58032	58132	150.00	100	4	R54	24½	54	4½	255
36	58036	58136	188.00	200	4	R60	24½	60	4½	285
40	58040	58140	202.00	200	4	R63	24½	63	4½	305
44	58044	58144	216.00	200	4	R66	24½	66	4½	320
48	58048	58148	230.00	200	4	R69	24½	69	4½	340
52	58052	58152	244.00	200	4	R72	24½	72	4½	360
56	58056	58156	258.00	200	4	R75	24½	75	4½	380
60	58060	58160	272.00	200	4	R78	24½	78	4½	400

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	58204	58304	\$55.00	30	4	R27	24½	27	4½	115
8	58208	58308	65.00	60	4	R33	24½	33	4½	145
12	58212	58312	75.00	60	4	R36	24½	36	4½	160
16	58216	58316	90.00	100	4	R42	24½	42	4½	190
20	58220	58320	102.00	100	4	R45	24½	45	4½	205
24	58224	58324	126.00	100	4	R48	24½	48	4½	225
28	58228	58328	138.00	100	4	R51	24½	51	4½	240
32	58232	58332	150.00	100	4	R54	24½	54	4½	255
36	58236	58336	188.00	200	4	V60	24½	60	5¼	285
40	58240	58340	202.00	200	4	V63	24½	63	5¼	305
44	58244	58344	216.00	200	4	V66	24½	66	5¼	320
48	58248	58348	230.00	200	4	V69	24½	69	5¼	340
52	58252	58352	244.00	200	4	V72	24½	72	5¼	360
56	58256	58356	258.00	200	4	V75	24½	75	5¼	380
60	58260	58360	272.00	200	4	V78	24½	78	5¼	400

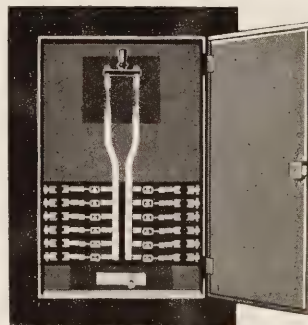
## SINGLE DOOR CABINETS



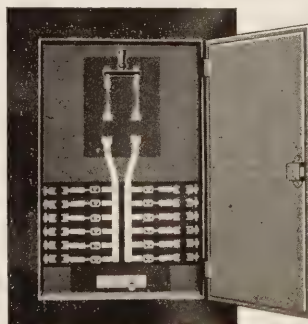
With Main Lugs Only.



With Fusible Mains.



With Fuseless Main Knife  
Switch.



With Fusible Main Knife  
Switch.



## SECTION III

## Two-Fuse Panelboards With Cabinets

Each two fuse panel is equipped with Edison plug fuse receptacles or cartridge fuse clips in both sides of the branch circuit. Where switches are shown they are double pole. For general specifications, see pages 4, 5, 6 and 7.



SAFETY FRONT TYPE

## Safety Front Type

## Door-In-A-Door Cabinet

This safety type panel is of double-door construction—one smaller door within a larger one. Opening of the small door gives access to the switches of the branch circuits only, while opening of the large door exposes the full face of the panel.

This safety panel is intended for installations where branch switches are operated by inexperienced persons and fuses renewed by a maintenance man. The large door is provided with a Yale combination spring latch and lock, which effectively prevents over fusing by an inexperienced person, tampering with the main or branch connections, and theft of fuses.

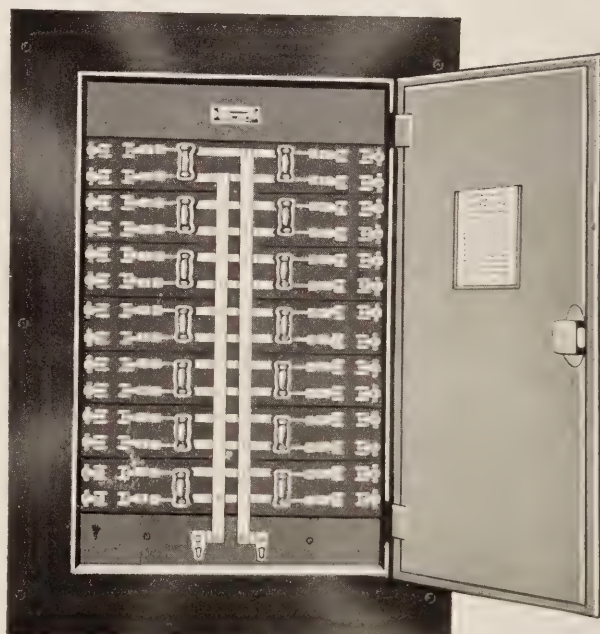
*All cabinets are equipped with a circuit directory card mounted in a metal frame—see illustration.*

## Open Front Type

## Single Door Cabinet

The open front panel has a single door which gives access to all switches, fuses and connections on the face of the panel. Because of the open front construction this type is suitable for use only where operation of switches and replacement of fuses is made by some experienced person. The door is equipped with a combination Yale spring latch and lock which prevents unauthorized tampering.

*All cabinets are furnished with a circuit directory card mounted in a metal frame—see illustration.*



OPEN FRONT TYPE

## SECTION III

## Two-Fuse Panelboards With Cabinets

## Protective Front Type

## Single Door Cabinet

This panel differs from the standard safety panel only in that it is furnished with a single door trim.

The cabinets for panels with Fusible Main Knife Switches have two doors, one exposing the knife switch, the other giving access to branch circuit switches and fuses. Both doors are equipped with a Yale combination spring latch and lock.

Panels with Fusible Mains have a small door in the protective shield, giving access to the main fuses.

*All cabinets are equipped with a circuit directory card mounted in a metal directory frame—see illustration.*



PROTECTIVE FRONT TYPE

## Index to Section III

## 2-Fuse—Safety Front Type

Type SPT	Tumbler Switches arranged for plug fuses.....	Pages 30-31
Type SCT	Tumbler Switches arranged for cartridge fuses.....	Pages 32-33

## 2-Fuse—Protective Front Type

Type LP	Arranged for plug fuses only.....	Pages 34-35
Type LPT	Tumbler Switches arranged for plug fuses.....	Pages 36-37

## 2-Fuse—Open Front Type

Type OC	Arranged for cartridge fuses only.....	Pages 38-39
Type OCT	Tumbler Switches arranged for cartridge fuses.....	Pages 40-41
Type OPK	Knife Switches arranged for plug fuses.....	Pages 42-43
Type OCK	Knife Switches arranged for cartridge fuses.....	Pages 44-45

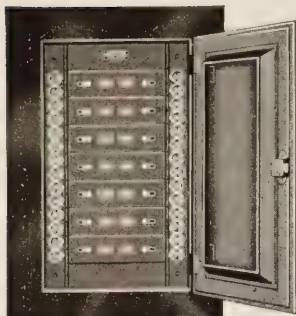


**2 Wire Mains  
2 Fuse Branches**

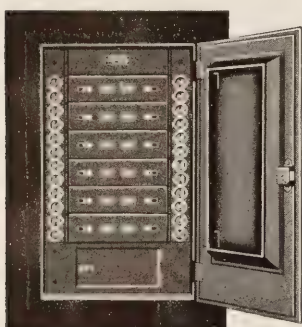
**DOOR IN A DOOR  
CABINETS**

# Type SPT Safety Panels with Cabinets

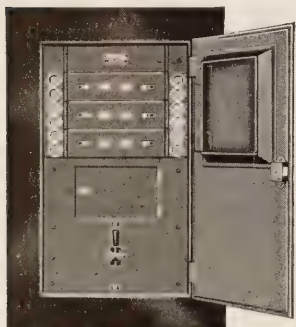
Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Plug Fuses. Mains: 125 Volt.



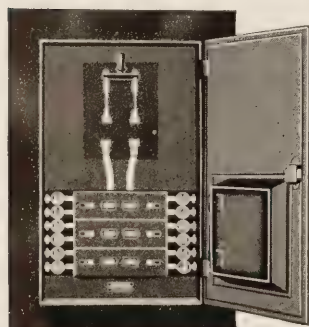
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush  
Type Switch.



With Fusible Main Knife  
Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	

## PANELS WITH MAIN LUGS ONLY

4	90004	90054	\$62.00	60	4	R21	24 1/2	21	4 1/2	105
6	90006	90056	68.00	100	4	R24	24 1/2	24	4 1/2	120
8	90008	90058	78.00	100	4	R27	24 1/2	27	4 1/2	135
10	90010	90060	88.00	100	4	R30	24 1/2	30	4 1/2	150
12	90012	90062	98.00	200	4	R33	24 1/2	33	4 1/2	165
14	90014	90064	110.00	200	4	R36	24 1/2	36	4 1/2	180
16	90016	90066	120.00	200	4	R39	24 1/2	39	4 1/2	195
18	90018	90068	130.00	200	4	R42	24 1/2	42	4 1/2	210
20	90020	90070	140.00	200	4	R45	24 1/2	45	4 1/2	225
22	90022	90072	150.00	200	4	R48	24 1/2	48	4 1/2	240
24	90024	90074	160.00	200	4	R51	24 1/2	51	4 1/2	255
26	90026	90076	176.00	200	4	R54	24 1/2	54	4 1/2	270
28	90028	90078	186.00	200	4	R57	24 1/2	57	4 1/2	285
30	90030	90080	200.00	200	4	R60	24 1/2	60	4 1/2	305
32	90032	90082	216.00	200	4	R63	24 1/2	63	4 1/2	325

## PANELS WITH FUSIBLE MAINS

4	90104	90154	\$74.00	60	4	R24	24 1/2	24	4 1/2	120
6	90106	90156	86.00	100	4	R33	24 1/2	33	4 1/2	165
8	90108	90158	96.00	100	4	R36	24 1/2	36	4 1/2	180
10	90110	90160	106.00	100	4	R39	24 1/2	39	4 1/2	195
12	90112	90162	126.00	200	4	R45	24 1/2	45	4 1/2	225
14	90114	90164	136.00	200	4	R48	24 1/2	48	4 1/2	240
16	90116	90166	146.00	200	4	R51	24 1/2	51	4 1/2	255
18	90118	90168	156.00	200	4	R54	24 1/2	54	4 1/2	270
20	90120	90170	166.00	200	4	R57	24 1/2	57	4 1/2	285
22	90122	90172	186.00	200	4	R60	24 1/2	60	4 1/2	305
24	90124	90174	196.00	200	4	R63	24 1/2	63	4 1/2	325
26	90126	90176	206.00	200	4	R66	24 1/2	66	4 1/2	345
28	90128	90178	216.00	200	4	R69	24 1/2	69	4 1/2	365
30	90130	90180	226.00	200	4	R72	24 1/2	72	4 1/2	385
32	90132	90182	236.00	200	4	R75	24 1/2	75	4 1/2	405

## PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH

4	90204	90254	\$88.00	60	4	R33	24 1/2	33	4 1/2	150
6	90206	90256	108.00	100	4	R39	24 1/2	39	4 1/2	180
8	90208	90258	118.00	100	4	R42	24 1/2	42	4 1/2	195
10	90210	90260	128.00	100	4	R45	24 1/2	45	4 1/2	210
12	90212	90262	160.00	200	4	V51	24 1/2	51	5 1/4	245
14	90214	90264	170.00	200	4	V54	24 1/2	54	5 1/4	260
16	90216	90266	190.00	200	4	V57	24 1/2	57	5 1/4	275
18	90218	90268	200.00	200	4	V60	24 1/2	60	5 1/4	295
20	90220	90270	210.00	200	4	V63	24 1/2	63	5 1/4	315
22	90222	90272	220.00	200	4	V66	24 1/2	66	5 1/4	335
24	90224	90274	230.00	200	4	V69	24 1/2	69	5 1/4	355
26	90226	90276	246.00	200	4	V72	24 1/2	72	5 1/4	375
28	90228	90278	260.00	200	4	V75	24 1/2	75	5 1/4	395
30	90230	90280	276.00	200	4	V78	24 1/2	78	5 1/4	415
32	90232	90282	290.00	200	4	V81	24 1/2	81	5 1/4	435

## PANELS WITH FUSIBLE MAIN KNIFE SWITCH

4	90304	90354	\$85.00	60	4	R33	24 1/2	33	4 1/2	150
6	90306	90356	106.00	100	4	R39	24 1/2	39	4 1/2	180
8	90308	90358	116.00	100	4	R42	24 1/2	42	4 1/2	195
10	90310	90360	126.00	100	4	R45	24 1/2	45	4 1/2	210
12	90312	90362	157.00	200	4	V51	24 1/2	51	5 1/4	245
14	90314	90364	167.00	200	4	V54	24 1/2	54	5 1/4	260
16	90316	90366	187.00	200	4	V57	24 1/2	57	5 1/4	275
18	90318	90368	197.00	200	4	V60	24 1/2	60	5 1/4	295
20	90320	90370	207.00	200	4	V63	24 1/2	63	5 1/4	315
22	90322	90372	217.00	200	4	V66	24 1/2	66	5 1/4	335
24	90324	90374	227.00	200	4	V69	24 1/2	69	5 1/4	355
26	90326	90376	243.00	200	4	V72	24 1/2	72	5 1/4	375
28	90328	90378	257.00	200	4	V75	24 1/2	75	5 1/4	395
30	90330	90380	273.00	200	4	V78	24 1/2	78	5 1/4	415
32	90332	90382	287.00	200	4	V81	24 1/2	81	5 1/4	435

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

# Type SPT Safety Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Plug Fuses. Mains: 125-250 Volt.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	90404	90454	\$58.00	30	4	R21	24½	21	4½	105
6	90406	90456	68.00	60	4	R24	24½	24	4½	120
8	90408	90458	78.00	60	4	R27	24½	27	4½	135
10	90410	90460	88.00	60	4	R30	24½	30	4½	150
12	90412	90462	98.00	60	4	R33	24½	33	4½	165
14	90414	90464	106.00	100	4	R36	24½	36	4½	180
16	90416	90466	116.00	100	4	R39	24½	39	4½	195
18	90418	90468	126.00	100	4	R42	24½	42	4½	210
20	90420	90470	140.00	100	4	R45	24½	45	4½	225
22	90422	90472	150.00	100	4	R48	24½	48	4½	240
24	90424	90474	160.00	100	4	R51	24½	51	4½	255
26	90426	90476	170.00	100	4	R54	24½	54	4½	270
28	90428	90478	180.00	100	4	R57	24½	57	4½	285
30	90430	90480	190.00	100	4	R60	24½	60	4½	305
32	90432	90482	206.00	100	4	R63	24½	63	4½	325

<b>PANELS WITH FUSIBLE MAINS</b>										
4	90804	90854	\$68.00	30	4	R24	24 1/2	24	4 1/2	120
6	90806	90856	78.00	60	4	R27	24 1/2	27	4 1/2	135
8	90808	90858	88.00	60	4	R30	24 1/2	30	4 1/2	150
10	90810	90860	98.00	60	4	R33	24 1/2	33	4 1/2	165
12	90812	90862	108.00	60	4	R36	24 1/2	36	4 1/2	180
14	90814	90864	128.00	100	4	R45	24 1/2	45	4 1/2	225
16	90816	90866	138.00	100	4	R48	24 1/2	48	4 1/2	240
18	90818	90868	148.00	100	4	R51	24 1/2	51	4 1/2	255
20	90820	90870	158.00	100	4	R54	24 1/2	54	4 1/2	270
22	90822	90872	168.00	100	4	R57	24 1/2	57	4 1/2	285
24	90824	90874	178.00	100	4	R60	24 1/2	60	4 1/2	305
26	90826	90876	192.00	100	4	R63	24 1/2	63	4 1/2	325
28	90828	90878	202.00	100	4	R66	24 1/2	66	4 1/2	345
30	90830	90880	212.00	100	4	R69	24 1/2	69	4 1/2	365
32	90832	90882	222.00	100	4	R72	24 1/2	72	4 1/2	385

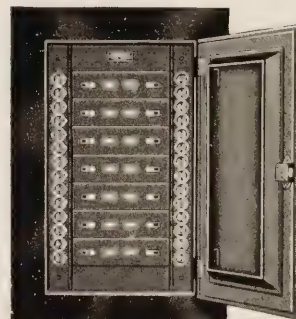
<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	90904	90954	\$86.00	30	4	R33	24 1/2	33	4 1/2	150
6	90906	90956	96.00	60	4	R36	24 1/2	36	4 1/2	165
8	90908	90958	106.00	60	4	R39	24 1/2	39	4 1/2	180
10	90910	90960	116.00	60	4	R42	24 1/2	42	4 1/2	195
12	90912	90962	126.00	60	4	R45	24 1/2	45	4 1/2	210
14	90914	90964	150.00	100	4	R51	24 1/2	51	4 1/2	240
16	90916	90966	160.00	100	4	R54	24 1/2	54	4 1/2	255
18	90918	90968	180.00	100	4	R57	24 1/2	57	4 1/2	270
20	90920	90970	190.00	100	4	R60	24 1/2	60	4 1/2	290
22	90922	90972	200.00	100	4	R63	24 1/2	63	4 1/2	310
24	90924	90974	210.00	100	4	R66	24 1/2	66	4 1/2	330
26	90926	90976	220.00	100	4	R69	24 1/2	69	4 1/2	350
28	90928	90978	230.00	100	4	R72	24 1/2	72	4 1/2	370
30	90930	90980	240.00	100	4	R75	24 1/2	75	4 1/2	390
32	90932	90982	250.00	100	4	R78	24 1/2	78	4 1/2	410

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	91004	91054	\$82.00	30	4	R30	24 1/2	30	4 1/2	150
6	91006	91056	93.00	60	4	R36	24 1/2	36	4 1/2	165
8	91008	91058	103.00	60	4	R39	24 1/2	39	4 1/2	180
10	91010	91060	113.00	60	4	R42	24 1/2	42	4 1/2	195
12	91012	91062	123.00	60	4	R45	24 1/2	45	4 1/2	210
14	91014	91064	148.00	100	4	R51	24 1/2	51	4 1/2	240
16	91016	91066	158.00	100	4	R54	24 1/2	54	4 1/2	255
18	91018	91068	178.00	100	4	R57	24 1/2	57	4 1/2	270
20	91020	91070	188.00	100	4	R60	24 1/2	60	4 1/2	290
22	91022	91072	198.00	100	4	R63	24 1/2	63	4 1/2	310
24	91024	91074	208.00	100	4	R66	24 1/2	66	4 1/2	330
26	91026	91076	218.00	100	4	R69	24 1/2	69	4 1/2	350
28	91028	91078	228.00	100	4	R72	24 1/2	72	4 1/2	370
30	91030	91080	238.00	100	4	R75	24 1/2	75	4 1/2	390
32	91032	91082	248.00	100	4	R78	24 1/2	78	4 1/2	410

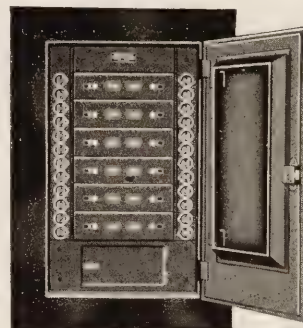
Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

## 3 Wire Mains 2 Fuse Branches

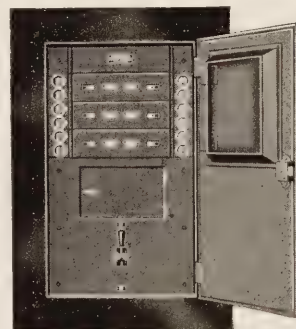
### DOOR IN A DOOR CABINETS



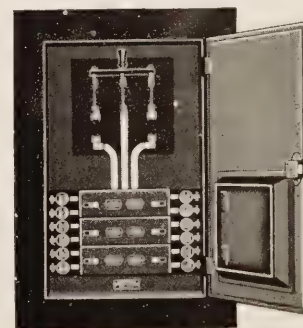
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush Type Switch.



With Fusible Main Knife Switch.

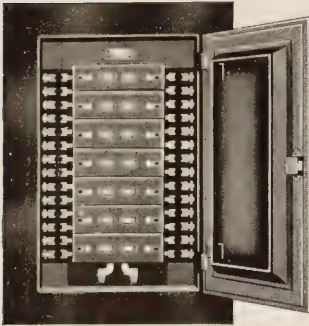


**2 Wire Mains  
2 Fuse Branches**

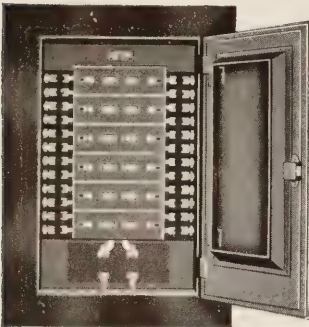
# Type SCT Safety Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Cartridge Fuses. Mains: 125 Volt.

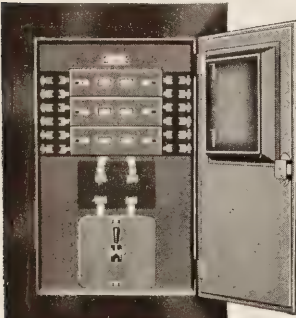
**DOOR IN A DOOR  
CABINETS**



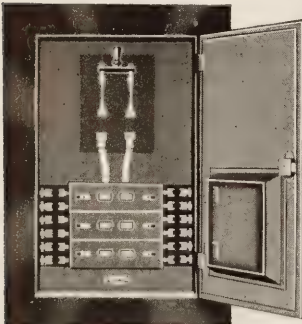
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush  
Type Switch.



With Fusible Main Knife  
Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	91104	91154	\$62.00	60	4	R21	24½	21	4½	105
6	91106	91156	68.00	100	4	R24	24½	24	4½	120
8	91108	91158	78.00	100	4	R27	24½	27	4½	135
10	91110	91160	88.00	100	4	R30	24½	30	4½	150
12	91112	91162	98.00	200	4	R33	24½	33	4½	165
14	91114	91164	110.00	200	4	R36	24½	36	4½	180
16	91116	91166	120.00	200	4	R39	24½	39	4½	195
18	91118	91168	130.00	200	4	R42	24½	42	4½	210
20	91120	91170	140.00	200	4	R45	24½	45	4½	225
22	91122	91172	150.00	200	4	R48	24½	48	4½	240
24	91124	91174	160.00	200	4	R51	24½	51	4½	255
26	91126	91176	176.00	200	4	R54	24½	54	4½	270
28	91128	91178	186.00	200	4	R57	24½	57	4½	285
30	91130	91180	200.00	200	4	R60	24½	60	4½	305
32	91132	91182	216.00	200	4	R63	24½	63	4½	325

<b>PANELS WITH FUSIBLE MAINS</b>										
4	91204	91254	\$74.00	60	4	R24	24½	24	4½	120
6	91206	91256	86.00	100	4	R33	24½	33	4½	165
8	91208	91258	96.00	100	4	R36	24½	36	4½	180
10	91210	91260	106.00	100	4	R39	24½	39	4½	195
12	91212	91262	126.00	200	4	R45	24½	45	4½	225
14	91214	91264	136.00	200	4	R48	24½	48	4½	240
16	91216	91266	146.00	200	4	R51	24½	51	4½	255
18	91218	91268	156.00	200	4	R54	24½	54	4½	270
20	91220	91270	166.00	200	4	R57	24½	57	4½	285
22	91222	91272	186.00	200	4	R60	24½	60	4½	305
24	91224	91274	196.00	200	4	R63	24½	63	4½	325
26	91226	91276	206.00	200	4	R66	24½	66	4½	345
28	91228	91278	216.00	200	4	R69	24½	69	4½	365
30	91230	91280	226.00	200	4	R72	24½	72	4½	385
32	91232	91282	236.00	200	4	R75	24½	75	4½	405

<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	91304	91354	\$88.00	60	4	R33	24½	33	4½	150
6	91306	91356	108.00	100	4	R39	24½	39	4½	180
8	91308	91358	118.00	100	4	R42	24½	42	4½	195
10	91310	91360	128.00	100	4	R45	24½	45	4½	210
12	91312	91362	160.00	200	4	V51	24½	51	5¼	245
14	91314	91364	170.00	200	4	V54	24½	54	5¼	260
16	91316	91366	190.00	200	4	V57	24½	57	5¼	275
18	91318	91368	200.00	200	4	V60	24½	60	5¼	295
20	91320	91370	210.00	200	4	V63	24½	63	5¼	315
22	91322	91372	220.00	200	4	V66	24½	66	5¼	335
24	91324	91374	230.00	200	4	V69	24½	69	5¼	355
26	91326	91376	246.00	200	4	V72	24½	72	5¼	375
28	91328	91378	260.00	200	4	V75	24½	75	5¼	395
30	91330	91380	276.00	200	4	V78	24½	78	5¼	415
32	91332	91382	290.00	200	4	V81	24½	81	5¼	435

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	91404	91454	\$85.00	60	4	R33	24½	33	4½	150
6	91406	91456	106.00	100	4	R39	24½	39	4½	180
8	91408	91458	116.00	100	4	R42	24½	42	4½	195
10	91410	91460	126.00	100	4	R45	24½	45	4½	210
12	91412	91462	157.00	200	4	V51	24½	51	5¼	245
14	91414	91464	167.00	200	4	V54	24½	54	5¼	260
16	91416	91466	187.00	200	4	V57	24½	57	5¼	275
18	91418	91468	197.00	200	4	V60	24½	60	5¼	295
20	91420	91470	207.00	200	4	V63	24½	63	5¼	315
22	91422	91472	217.00	200	4	V66	24½	66	5¼	335
24	91424	91474	227.00	200	4	V69	24½	69	5¼	355
26	91426	91476	243.00	200	4	V72	24½	72	5¼	375
28	91428	91478	257.00	200	4	V75	24½	75	5¼	395
30	91430	91480	273.00	200	4	V78	24½	78	5¼	415
32	91432	91482	287.00	200	4	V81	24½	81	5¼	435

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

# Type SCT Safety Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Cartridge Fuses. Mains: 125-250 Volt.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	91804	91854	\$58.00	30	4	R21	24½	21	4½	105
6	91806	91856	68.00	60	4	R24	24½	24	4½	120
8	91808	91858	78.00	60	4	R27	24½	27	4½	135
10	91810	91860	88.00	60	4	R30	24½	30	4½	150
12	91812	91862	98.00	60	4	R33	24½	33	4½	165
14	91814	91864	106.00	100	4	R36	24½	36	4½	180
16	91816	91866	116.00	100	4	R39	24½	39	4½	195
18	91818	91868	126.00	100	4	R42	24½	42	4½	210
20	91820	91870	140.00	100	4	R45	24½	45	4½	225
22	91822	91872	150.00	100	4	R48	24½	48	4½	240
24	91824	91874	160.00	100	4	R51	24½	51	4½	255
26	91826	91876	170.00	100	4	R54	24½	54	4½	270
28	91828	91878	180.00	100	4	R57	24½	57	4½	285
30	91830	91880	190.00	100	4	R60	24½	60	4½	305
32	91832	91882	206.00	100	4	R63	24½	63	4½	325

<b>PANELS WITH FUSIBLE MAINS</b>										
4	91904	91954	\$68.00	30	4	R24	24 1/2	24	4 1/2	120
6	91906	91956	78.00	60	4	R27	24 1/2	27	4 1/2	135
8	91908	91958	88.00	60	4	R30	24 1/2	30	4 1/2	150
10	91910	91960	98.00	60	4	R33	24 1/2	33	4 1/2	165
12	91912	91962	108.00	60	4	R36	24 1/2	36	4 1/2	180
14	91914	91964	128.00	100	4	R45	24 1/2	45	4 1/2	225
16	91916	91966	138.00	100	4	R48	24 1/2	48	4 1/2	240
18	91918	91968	148.00	100	4	R51	24 1/2	51	4 1/2	255
20	91920	91970	158.00	100	4	R54	24 1/2	54	4 1/2	270
22	91922	91972	168.00	100	4	R57	24 1/2	57	4 1/2	285
24	91924	91974	178.00	100	4	R60	24 1/2	60	4 1/2	305
26	91926	91976	192.00	100	4	R63	24 1/2	63	4 1/2	325
28	91928	91978	202.00	100	4	R66	24 1/2	66	4 1/2	345
30	91930	91980	212.00	100	4	R69	24 1/2	69	4 1/2	365
32	91932	91982	222.00	100	4	R72	24 1/2	72	4 1/2	385

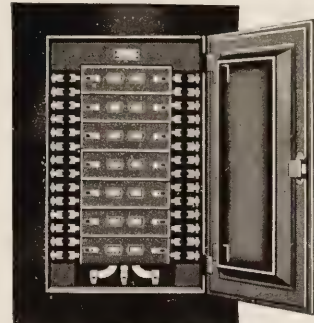
<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	92004	92054	\$86.00	30	4	R33	24 1/2	33	4 1/2	150
6	92006	92056	96.00	60	4	R36	24 1/2	36	4 1/2	165
8	92008	92058	106.00	60	4	R39	24 1/2	39	4 1/2	180
10	92010	92060	116.00	60	4	R42	24 1/2	42	4 1/2	195
12	92012	92062	126.00	60	4	R45	24 1/2	45	4 1/2	210
14	92014	92064	150.00	100	4	R51	24 1/2	51	4 1/2	240
16	92016	92066	160.00	100	4	R54	24 1/2	54	4 1/2	255
18	92018	92068	180.00	100	4	R57	24 1/2	57	4 1/2	270
20	92020	92070	190.00	100	4	R60	24 1/2	60	4 1/2	290
22	92022	92072	200.00	100	4	R63	24 1/2	63	4 1/2	310
24	92024	92074	210.00	100	4	R66	24 1/2	66	4 1/2	330
26	92026	92076	220.00	100	4	R69	24 1/2	69	4 1/2	350
28	92028	92078	230.00	100	4	R72	24 1/2	72	4 1/2	370
30	92030	92080	240.00	100	4	R75	24 1/2	75	4 1/2	390
32	92032	92082	250.00	100	4	R78	24 1/2	78	4 1/2	410

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	92104	92154	\$82.00	30	4	R30	24 1/2	30	4 1/2	150
6	92106	92156	93.00	60	4	R36	24 1/2	36	4 1/2	165
8	92108	92158	103.00	60	4	R39	24 1/2	39	4 1/2	180
10	92110	92160	113.00	60	4	R42	24 1/2	42	4 1/2	195
12	92112	92162	123.00	60	4	R45	24 1/2	45	4 1/2	210
14	92114	92164	148.00	100	4	R51	24 1/2	51	4 1/2	240
16	92116	92166	158.00	100	4	R54	24 1/2	54	4 1/2	255
18	92118	92168	178.00	100	4	R57	24 1/2	57	4 1/2	270
20	92120	92170	188.00	100	4	R60	24 1/2	60	4 1/2	290
22	92122	92172	198.00	100	4	R63	24 1/2	63	4 1/2	310
24	92124	92174	208.00	100	4	R66	24 1/2	66	4 1/2	330
26	92126	92176	218.00	100	4	R69	24 1/2	69	4 1/2	350
28	92128	92178	228.00	100	4	R72	24 1/2	72	4 1/2	370
30	92130	92180	238.00	100	4	R75	24 1/2	75	4 1/2	390
32	92132	92182	248.00	100	4	R78	24 1/2	78	4 1/2	410

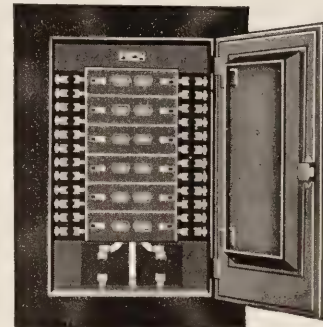
Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

**3 Wire Mains  
2 Fuse Branches**

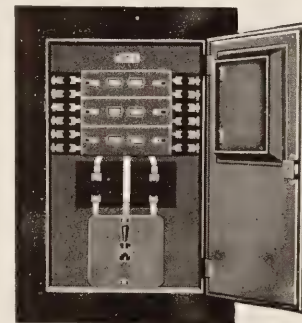
**DOOR IN A DOOR  
CABINETS**



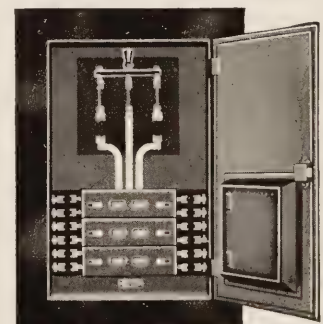
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush  
Type Switch.



With Fusible Main Knife  
Switch.



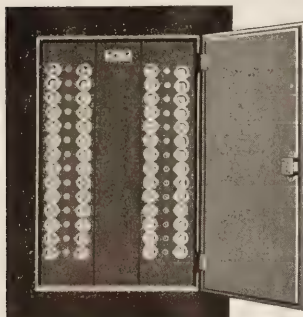
**2 Wire Mains  
2 Fuse Branches**

# Type LP Protective Panels with Cabinets

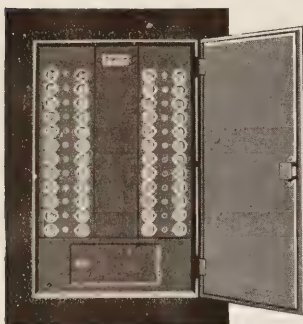
Branches: 2 Wire, Plug Fuses Only.

Mains: 125 Volt.

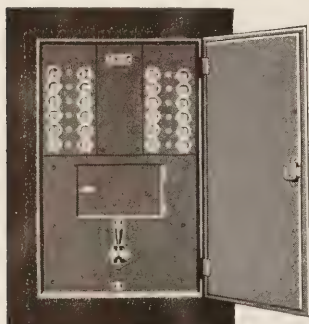
**SINGLE DOOR  
CABINETS**



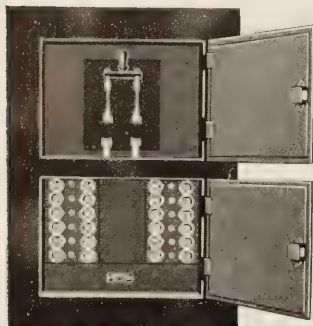
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush  
Type Switch.



With Fusible Main Knife  
Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	

**PANELS WITH MAIN LUGS ONLY**

4	92204	92254	\$38.00	60	4	R21	24½	21	4½	105
8	92208	92258	45.00	100	4	R24	24½	24	4½	120
12	92212	92262	52.00	200	4	R27	24½	27	4½	135
16	92216	92266	60.00	200	4	R30	24½	30	4½	150
20	92220	92270	70.00	200	4	R33	24½	33	4½	165
24	92224	92274	80.00	200	4	R36	24½	36	4½	180
28	92228	92278	90.00	200	4	R39	24½	39	4½	195
32	92232	92282	100.00	200	4	R42	24½	42	4½	210

**PANELS WITH FUSIBLE MAINS**

4	92304	92354	\$54.00	60	4	R24	24½	24	4½	120
8	92308	92358	68.00	100	4	R33	24½	33	4½	165
12	92312	92362	85.00	200	4	R39	24½	39	4½	195
16	92316	92366	95.00	200	4	R42	24½	42	4½	210
20	92320	92370	105.00	200	4	R45	24½	45	4½	225
24	92324	92374	115.00	200	4	R48	24½	48	4½	240
28	92328	92378	125.00	200	4	R51	24½	51	4½	255
32	92332	92382	135.00	200	4	R54	24½	54	4½	270

**PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH**

4	92404	92454	\$70.00	60	4	R33	24½	33	4½	150
8	92408	92458	80.00	100	4	R39	24½	39	4½	180
12	92412	92462	120.00	200	4	V45	24½	45	5¼	210
16	92416	92466	130.00	200	4	V48	24½	48	5¼	225
20	92420	92470	140.00	200	4	V51	24½	51	5¼	245
24	92424	92474	150.00	200	4	V54	24½	54	5¼	260
28	92428	92478	160.00	200	4	V57	24½	57	5¼	275
32	92432	92482	180.00	200	4	V60	24½	60	5¼	290

**PANELS WITH FUSIBLE MAIN KNIFE SWITCH**

4	92504	92554	\$67.00	60	4	R33	24½	33	4½	150
8	92508	92558	78.00	100	4	R39	24½	39	4½	180
12	92512	92562	117.00	200	4	V45	24½	45	5¼	210
16	92516	92566	127.00	200	4	V48	24½	48	5¼	225
20	92520	92570	137.00	200	4	V51	24½	51	5¼	245
24	92524	92574	147.00	200	4	V54	24½	54	5¼	260
28	92528	92578	157.00	200	4	V57	24½	57	5¼	275
32	92532	92582	177.00	200	4	V60	24½	60	5¼	290

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

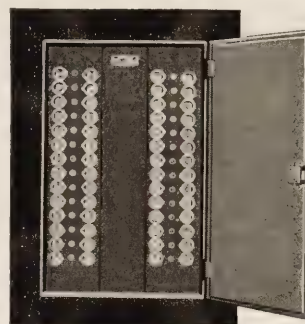
# Type LP Protective Panels with Cabinets

Branches: 2 Wire, Plug Fuses Only.  
Mains: 125-250 Volt.

**3 Wire Mains  
2 Fuse Branches**

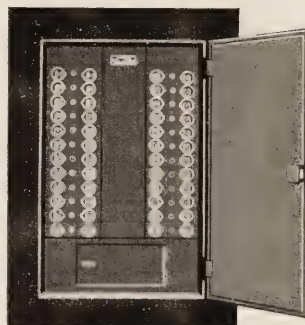
**SINGLE DOOR  
CABINETS**

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	92604	92704	\$38.00	30	4	R18	24½	18	4½	90
8	92608	92708	45.00	60	4	R21	24½	21	4½	105
12	92612	92712	52.00	60	4	R24	24½	24	4½	120
16	92616	92716	60.00	100	4	R27	24½	27	4½	135
20	92620	92720	70.00	100	4	R30	24½	30	4½	150
24	92624	92724	80.00	100	4	R33	24½	33	4½	165
28	92628	92728	90.00	100	4	R36	24½	36	4½	180
32	92632	92732	100.00	100	4	R39	24½	39	4½	195
36	92636	92736	115.00	200	4	R42	24½	42	4½	210
40	92640	92740	125.00	200	4	R45	24½	45	4½	225
44	92644	92744	135.00	200	4	R48	24½	48	4½	240
48	92648	92748	145.00	200	4	R51	24½	51	4½	255
52	92652	92752	160.00	200	4	R54	24½	54	4½	270
56	92656	92756	170.00	200	4	R57	24½	57	4½	285
60	92660	92760	180.00	200	4	R60	24½	60	4½	300



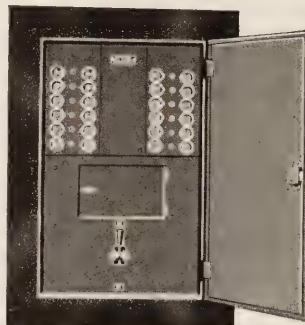
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	92804	92904	\$54.00	30	4	R21	24½	21	4½	105
8	92808	92908	62.00	60	4	R24	24½	24	4½	120
12	92812	92912	70.00	60	4	R27	24½	27	4½	135
16	92816	92916	85.00	100	4	R36	24½	36	4½	180
20	92820	92920	95.00	100	4	R39	24½	39	4½	195
24	92824	92924	105.00	100	4	R42	24½	42	4½	210
28	92828	92928	115.00	100	4	R45	24½	45	4½	225
32	92832	92932	125.00	100	4	R48	24½	48	4½	240
36	92836	92936	145.00	200	4	R54	24½	54	4½	270
40	92840	92940	160.00	200	4	R57	24½	57	4½	285
44	92844	92944	170.00	200	4	R60	24½	60	4½	300
48	92848	92948	180.00	200	4	R63	24½	63	4½	315
52	92852	92952	190.00	200	4	R66	24½	66	4½	330
56	92856	92956	200.00	200	4	R69	24½	69	4½	345
60	92860	92960	210.00	200	4	R72	24½	72	4½	360



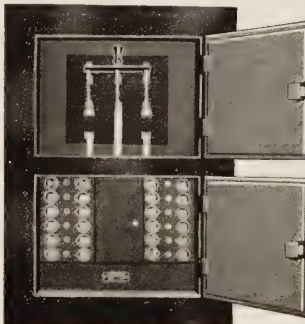
With Fusible Mains.

<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	93004	93104	\$70.00	30	4	R30	24½	30	4½	135
8	93008	93108	78.00	60	4	R33	24½	33	4½	150
12	93012	93112	86.00	60	4	R36	24½	36	4½	165
16	93016	93116	100.00	100	4	R42	24½	42	4½	195
20	93020	93120	110.00	100	4	R45	24½	45	4½	210
24	93024	93124	120.00	100	4	R48	24½	48	4½	225
28	93028	93128	136.00	100	4	R51	24½	51	4½	245
32	93032	93132	146.00	100	4	R54	24½	54	4½	260
36	93036	93136	184.00	200	4	V60	24½	60	5¼	290
40	93040	93140	194.00	200	4	V63	24½	63	5¼	305
44	93044	93144	204.00	200	4	V66	24½	66	5¼	320
48	93048	93148	214.00	200	4	V69	24½	69	5¼	335
52	93052	93152	224.00	200	4	V72	24½	72	5¼	350
56	93056	93156	234.00	200	4	V75	24½	75	5¼	365
60	93060	93160	244.00	200	4	V78	24½	78	5¼	380



With Fusible Main Brush Type Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	93204	93304	\$66.00	30	4	R27	24½	27	4½	120
8	93208	93308	75.00	60	4	R33	24½	33	4½	150
12	93212	93312	83.00	60	4	R36	24½	36	4½	165
16	93216	93316	98.00	100	4	R42	24½	42	4½	195
20	93220	93320	108.00	100	4	R45	24½	45	4½	210
24	93224	93324	118.00	100	4	R48	24½	48	4½	225
28	93228	93328	134.00	100	4	R51	24½	51	4½	245
32	93232	93332	144.00	100	4	R54	24½	54	4½	260
36	93236	93336	181.00	200	4	V60	24½	60	5¼	290
40	93240	93340	191.00	200	4	V63	24½	63	5¼	305
44	93244	93344	201.00	200	4	V66	24½	66	5¼	320
48	93248	93348	211.00	200	4	V69	24½	69	5¼	335
52	93252	93352	221.00	200	4	V72	24½	72	5¼	350
56	93256	93356	231.00	200	4	V75	24½	75	5¼	365
60	93260	93360	241.00	200	4	V78	24½	78	5¼	380



With Fusible Main Knife Switch.

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

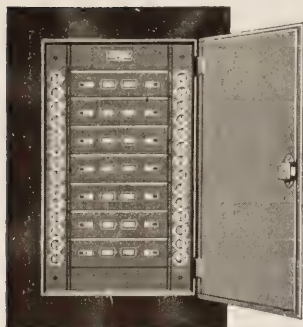


**2 Wire Mains  
2 Fuse Branches**

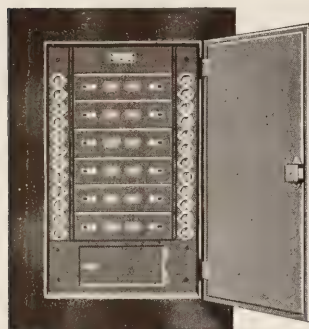
# Type LPT Protective Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Plug Fuses. Mains: 125 Volt.

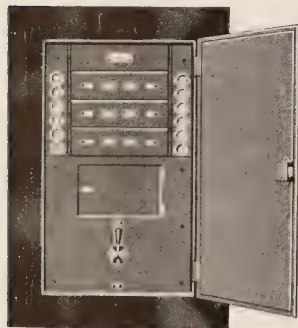
**SINGLE DOOR  
CABINETS**



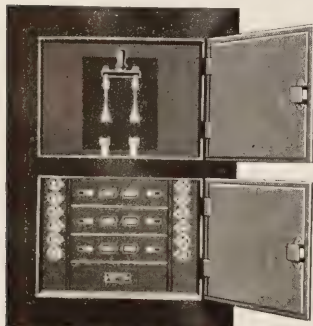
With Main Lugs Only.



With Fusible Mains.



With Fusible Main Brush  
Type Switch.



With Fusible Main Knife  
Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	

**PANELS WITH MAIN LUGS ONLY**

4	93404	93454	\$42.00	60	4	R21	24 1/2	21	4 1/2	105
6	93406	93456	52.00	100	4	R24	24 1/2	24	4 1/2	120
8	93408	93458	62.00	100	4	R27	24 1/2	27	4 1/2	135
10	93410	93460	72.00	100	4	R30	24 1/2	30	4 1/2	150
12	93412	93462	82.00	200	4	R33	24 1/2	33	4 1/2	165
14	93414	93464	94.00	200	4	R36	24 1/2	36	4 1/2	180
16	93416	93466	104.00	200	4	R39	24 1/2	39	4 1/2	195
18	93418	93468	114.00	200	4	R42	24 1/2	42	4 1/2	210
20	93420	93470	124.00	200	4	R45	24 1/2	45	4 1/2	225
22	93422	93472	134.00	200	4	R48	24 1/2	48	4 1/2	240
24	93424	93474	144.00	200	4	R51	24 1/2	51	4 1/2	255
26	93426	93476	160.00	200	4	R54	24 1/2	54	4 1/2	270
28	93428	93478	170.00	200	4	R57	24 1/2	57	4 1/2	285
30	93430	93480	184.00	200	4	R60	24 1/2	60	4 1/2	305
32	93432	93482	200.00	200	4	R63	24 1/2	63	4 1/2	325

**PANELS WITH FUSIBLE MAINS**

4	93804	93854	\$58.00	60	4	R24	24 1/2	24	4 1/2	120
6	93806	93856	70.00	100	4	R33	24 1/2	33	4 1/2	165
8	93808	93858	80.00	100	4	R36	24 1/2	36	4 1/2	180
10	93810	93860	90.00	100	4	R39	24 1/2	39	4 1/2	195
12	93812	93862	110.00	200	4	R45	24 1/2	45	4 1/2	225
14	93814	93864	120.00	200	4	R48	24 1/2	48	4 1/2	240
16	93816	93866	130.00	200	4	R51	24 1/2	51	4 1/2	255
18	93818	93868	140.00	200	4	R54	24 1/2	54	4 1/2	270
20	93820	93870	150.00	200	4	R57	24 1/2	57	4 1/2	285
22	93822	93872	170.00	200	4	R60	24 1/2	60	4 1/2	305
24	93824	93874	180.00	200	4	R63	24 1/2	63	4 1/2	325
26	93826	93876	190.00	200	4	R66	24 1/2	66	4 1/2	345
28	93828	93878	200.00	200	4	R69	24 1/2	69	4 1/2	365
30	93830	93880	210.00	200	4	R72	24 1/2	72	4 1/2	385
32	93832	93882	220.00	200	4	R75	24 1/2	75	4 1/2	405

**PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH**

4	93904	93954	\$72.00	60	4	R33	24 1/2	33	4 1/2	150
6	93906	93956	92.00	100	4	R39	24 1/2	39	4 1/2	180
8	93908	93958	102.00	100	4	R42	24 1/2	42	4 1/2	195
10	93910	93960	112.00	100	4	R45	24 1/2	45	4 1/2	210
12	93912	93962	144.00	200	4	V51	24 1/2	51	5 1/4	245
14	93914	93964	154.00	200	4	V54	24 1/2	54	5 1/4	260
16	93916	93966	174.00	200	4	V57	24 1/2	57	5 1/4	275
18	93918	93968	184.00	200	4	V60	24 1/2	60	5 1/4	295
20	93920	93970	194.00	200	4	V63	24 1/2	63	5 1/4	315
22	93922	93972	204.00	200	4	V66	24 1/2	66	5 1/4	335
24	93924	93974	214.00	200	4	V69	24 1/2	69	5 1/4	355
26	93926	93976	230.00	200	4	V72	24 1/2	72	5 1/4	375
28	93928	93978	244.00	200	4	V75	24 1/2	75	5 1/4	395
30	93930	93980	260.00	200	4	V78	24 1/2	78	5 1/4	415
32	93932	93982	274.00	200	4	V81	24 1/2	81	5 1/4	435

**PANELS WITH FUSIBLE MAIN KNIFE SWITCH**

4	94004	94054	\$69.00	60	4	R33	24 1/2	33	4 1/2	150
6	94006	94056	90.00	100	4	R39	24 1/2	39	4 1/2	180
8	94008	94058	100.00	100	4	R42	24 1/2	42	4 1/2	195
10	94010	94060	110.00	100	4	R45	24 1/2	45	4 1/2	210
12	94012	94062	141.00	200	4	V51	24 1/2	51	5 1/4	245
14	94014	94064	151.00	200	4	V54	24 1/2	54	5 1/4	260
16	94016	94066	171.00	200	4	V57	24 1/2	57	5 1/4	275
18	94018	94068	181.00	200	4	V60	24 1/2	60	5 1/4	295
20	94020	94070	191.00	200	4	V63	24 1/2	63	5 1/4	315
22	94022	94072	201.00	200	4	V66	24 1/2	66	5 1/4	335
24	94024	94074	211.00	200	4	V69	24 1/2	69	5 1/4	355
26	94026	94076	227.00	200	4	V72	24 1/2	72	5 1/4	375
28	94028	94078	241.00	200	4	V75	24 1/2	75	5 1/4	395
30	94030	94080	257.00	200	4	V78	24 1/2	78	5 1/4	415
32	94032	94082	271.00	200	4	V81	24 1/2	81	5 1/4	435

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.

# Type LPT Protective Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Plug Fuses. Mains: 125-250 Volt.

**3 Wire Mains  
2 Fuse Branches**

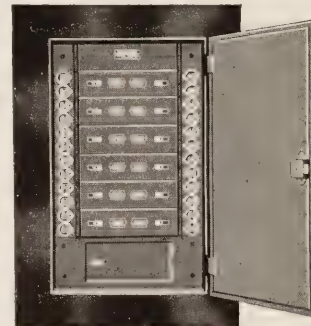
**SINGLE DOOR  
CABINETS**

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	94104	94154	\$38.00	30	4	R21	24½	21	4½	105
6	94106	94156	48.00	60	4	R24	24½	24	4½	120
8	94108	94158	58.00	60	4	R27	24½	27	4½	135
10	94110	94160	68.00	60	4	R30	24½	30	4½	150
12	94112	94162	78.00	60	4	R33	24½	33	4½	165
14	94114	94164	90.00	100	4	R36	24½	36	4½	180
16	94116	94166	100.00	100	4	R39	24½	39	4½	195
18	94118	94168	110.00	100	4	R42	24½	42	4½	210
20	94120	94170	124.00	100	4	R45	24½	45	4½	225
22	94122	94172	134.00	100	4	R48	24½	48	4½	240
24	94124	94174	144.00	100	4	R51	24½	51	4½	255
26	94126	94176	154.00	100	4	R54	24½	54	4½	270
28	94128	94178	164.00	100	4	R57	24½	57	4½	285
30	94130	94180	174.00	100	4	R60	24½	60	4½	305
32	94132	94182	190.00	100	4	R63	24½	63	4½	325



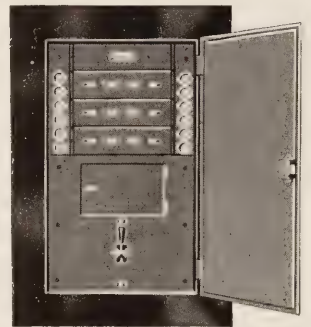
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	94204	94254	\$52.00	30	4	R24	24½	24	4½	120
6	94206	94256	62.00	60	4	R27	24½	27	4½	135
8	94208	94258	72.00	60	4	R30	24½	30	4½	150
10	94210	94260	82.00	60	4	R33	24½	33	4½	165
12	94212	94262	92.00	60	4	R36	24½	36	4½	180
14	94214	94264	112.00	100	4	R45	24½	45	4½	225
16	94216	94266	122.00	100	4	R48	24½	48	4½	240
18	94218	94268	132.00	100	4	R51	24½	51	4½	255
20	94220	94270	142.00	100	4	R54	24½	54	4½	270
22	94222	94272	152.00	100	4	R57	24½	57	4½	285
24	94224	94274	162.00	100	4	R60	24½	60	4½	305
26	94226	94276	176.00	100	4	R63	24½	63	4½	325
28	94228	94278	186.00	100	4	R66	24½	66	4½	345
30	94230	94280	196.00	100	4	R69	24½	69	4½	365
32	94232	94232	206.00	100	4	R72	24½	72	4½	385



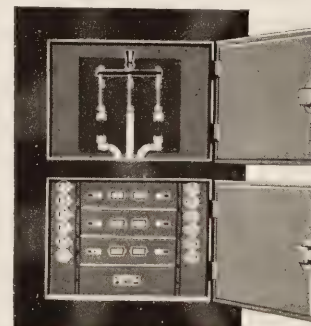
With Fusible Mains.

<b>PANELS WITH FUSIBLE MAIN BRUSH TYPE SWITCH</b>										
4	94304	94354	\$70.00	30	4	R33	24½	33	4½	150
6	94306	94356	80.00	60	4	R36	24½	36	4½	165
8	94308	94358	90.00	60	4	R39	24½	39	4½	180
10	94310	94360	100.00	60	4	R42	24½	42	4½	195
12	94312	94362	110.00	60	4	R45	24½	45	4½	210
14	94314	94364	134.00	100	4	R51	24½	51	4½	240
16	94316	94366	144.00	100	4	R54	24½	54	4½	255
18	94318	94368	164.00	100	4	R57	24½	57	4½	270
20	94320	94370	174.00	100	4	R60	24½	60	4½	290
22	94322	94372	184.00	100	4	R63	24½	63	4½	310
24	94324	94374	194.00	100	4	R66	24½	66	4½	330
26	94326	94376	204.00	100	4	R69	24½	69	4½	350
28	94328	94378	214.00	100	4	R72	24½	72	4½	370
30	94330	94380	224.00	100	4	R75	24½	75	4½	390
32	94332	94382	234.00	100	4	R78	24½	78	4½	410



With Fusible Main Brush Type Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	94404	94454	\$66.00	30	4	R30	24½	30	4½	150
6	94406	94456	77.00	60	4	R36	24½	36	4½	165
8	94408	94458	87.00	60	4	R39	24½	39	4½	180
10	94410	94460	97.00	60	4	R42	24½	42	4½	195
12	94412	94462	107.00	60	4	R45	24½	45	4½	210
14	94414	94464	132.00	100	4	R51	24½	51	4½	240
16	94416	94466	142.00	100	4	R54	24½	54	4½	255
18	94418	94468	162.00	100	4	R57	24½	57	4½	270
20	94420	94470	172.00	100	4	R60	24½	60	4½	290
22	94422	94472	182.00	100	4	R63	24½	63	4½	310
24	94424	94474	192.00	100	4	R66	24½	66	4½	330
26	94426	94476	202.00	100	4	R69	24½	69	4½	350
28	94428	94478	212.00	100	4	R72	24½	72	4½	370
30	94430	94480	222.00	100	4	R75	24½	75	4½	390
32	94432	94482	232.00	100	4	R78	24½	78	4½	410



With Fusible Main Knife Switch.

Panels with Unfused Main Switches can be furnished at same prices as Panels with Fusible Main Switches.



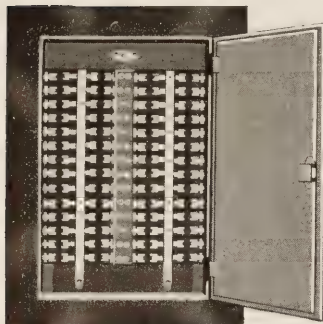
**2 Wire Mains  
2 Fuse Branches**

# Type OC Open Front Panels with Cabinets

Branches: 2 Wire, Cartridge Fuses Only.  
Mains: 125 Volt.

**SINGLE DOOR  
CABINETS**

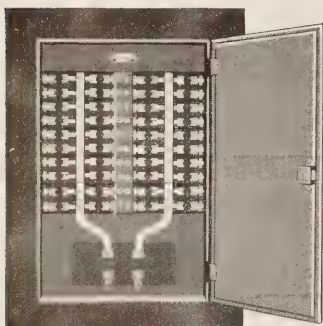
No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	



With Main Lugs Only.

### PANELS WITH MAIN LUGS ONLY

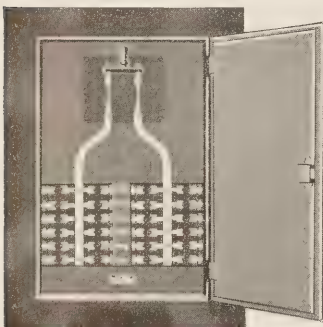
4	94804	94854	\$38.00	60	4	R18	24½	18	4½	90
8	94808	94858	45.00	100	4	R21	24½	21	4½	105
12	94812	94862	52.00	200	4	R24	24½	24	4½	120
16	94816	94866	60.00	200	4	R27	24½	27	4½	135
20	94820	94870	70.00	200	4	R30	24½	30	4½	150
24	94824	94874	80.00	200	4	R33	24½	33	4½	165
28	94828	94878	90.00	200	4	R36	24½	36	4½	180
32	94832	94882	100.00	200	4	R39	24½	39	4½	195



With Fusible Mains.

### PANELS WITH FUSIBLE MAINS

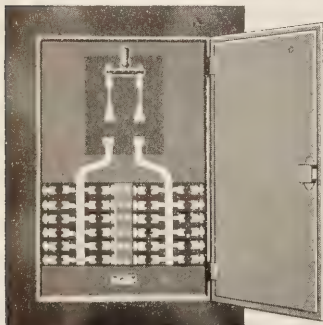
4	94904	94954	\$54.00	60	4	R21	24½	21	4½	105
8	94908	94958	68.00	100	4	R30	24½	30	4½	150
12	94912	94962	85.00	200	4	R36	24½	36	4½	180
16	94916	94966	95.00	200	4	R39	24½	39	4½	195
20	94920	94970	105.00	200	4	R42	24½	42	4½	210
24	94924	94974	115.00	200	4	R45	24½	45	4½	225
28	94928	94978	125.00	200	4	R48	24½	48	4½	240
32	94932	94982	135.00	200	4	R51	24½	51	4½	255



With Fuseless Main Knife Switch.

### PANELS WITH FUSELESS MAIN KNIFE SWITCH

4	95004	95054	\$67.00	60	4	R30	24½	30	4½	135
8	95008	95058	78.00	100	4	R36	24½	36	4½	165
12	95012	95062	117.00	200	4	R42	24½	42	4½	195
16	95016	95066	127.00	200	4	R45	24½	45	4½	210
20	95020	95070	137.00	200	4	R48	24½	48	4½	225
24	95024	95074	147.00	200	4	R51	24½	51	4½	245
28	95028	95078	157.00	200	4	R54	24½	54	4½	260
32	95032	95082	177.00	200	4	R57	24½	57	4½	275



With Fusible Main Knife Switch.

### PANELS WITH FUSIBLE MAIN KNIFE SWITCH

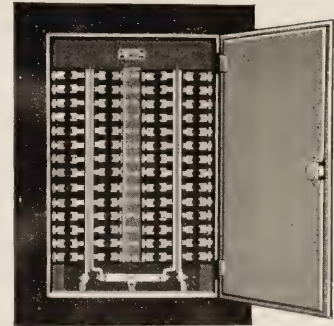
4	95104	95154	\$67.00	60	4	R30	24½	30	4½	135
8	95108	95158	78.00	100	4	R36	24½	36	4½	165
12	95112	95162	117.00	200	4	V42	24½	42	5¼	195
16	95116	95166	127.00	200	4	V45	24½	45	5¼	210
20	95120	95170	137.00	200	4	V48	24½	48	5¼	225
24	95124	95174	147.00	200	4	V51	24½	51	5¼	245
28	95128	95178	157.00	200	4	V54	24½	54	5¼	260
32	95132	95182	177.00	200	4	V57	24½	57	5¼	275

# Type OC Open Front Panels with Cabinets

Branches: 2 Wire, Cartridge Fuses Only.  
Mains: 125-250 Volt.

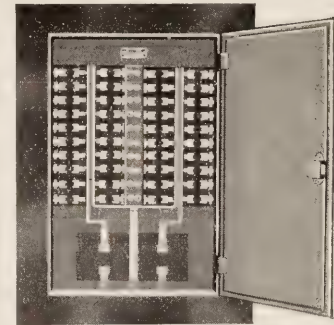
**3 Wire Mains  
2 Fuse Branches**

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	95204	95304	\$38.00	30	4	R18	24½	18	4½	90
8	95208	95308	45.00	60	4	R21	24½	21	4½	105
12	95212	95312	52.00	60	4	R24	24½	24	4½	120
16	95216	95316	60.00	100	4	R27	24½	27	4½	135
20	95220	95320	70.00	100	4	R30	24½	30	4½	150
24	95224	95324	80.00	100	4	R33	24½	33	4½	165
28	95228	95328	90.00	100	4	R36	24½	36	4½	180
32	95232	95332	100.00	100	4	R39	24½	39	4½	195
36	95236	95336	115.00	200	4	R42	24½	42	4½	210
40	95240	95340	125.00	200	4	R45	24½	45	4½	225
44	95244	95344	135.00	200	4	R48	24½	48	4½	240
48	95248	95348	145.00	200	4	R51	24½	51	4½	255
52	95252	95352	160.00	200	4	R54	24½	54	4½	270
56	95256	95356	170.00	200	4	R57	24½	57	4½	285
60	95260	95360	180.00	200	4	R60	24½	60	4½	300



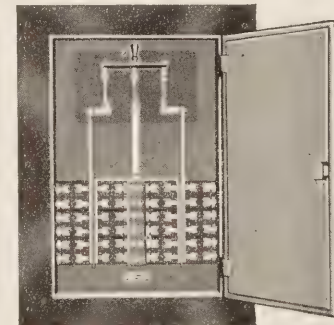
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	95404	95504	\$54.00	30	4	R21	24½	21	4½	105
8	95408	95508	62.00	60	4	R24	24½	24	4½	120
12	95412	95512	70.00	60	4	R27	24½	27	4½	135
16	95416	95516	85.00	100	4	R36	24½	36	4½	180
20	95420	95520	95.00	100	4	R39	24½	39	4½	195
24	95424	95524	105.00	100	4	R42	24½	42	4½	210
28	95428	95528	115.00	100	4	R45	24½	45	4½	225
32	95432	95532	125.00	100	4	R48	24½	48	4½	240
36	95436	95536	145.00	200	4	R54	24½	54	4½	270
40	95440	95540	160.00	200	4	R57	24½	57	4½	285
44	95444	95544	170.00	200	4	R60	24½	60	4½	300
48	95448	95548	180.00	200	4	R63	24½	63	4½	315
52	95452	95552	190.00	200	4	R66	24½	66	4½	330
56	95456	95556	200.00	200	4	R69	24½	69	4½	345
60	95460	95560	210.00	200	4	R72	24½	72	4½	360



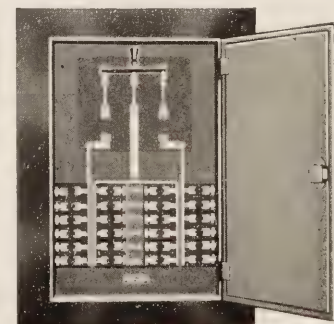
With Fusible Mains.

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	95604	95804	\$66.00	30	4	R27	24½	27	4½	120
8	95608	95808	75.00	60	4	R33	24½	33	4½	150
12	95612	95812	83.00	60	4	R36	24½	36	4½	165
16	95616	95816	98.00	100	4	R42	24½	42	4½	195
20	95620	95820	108.00	100	4	R45	24½	45	4½	210
24	95624	95824	118.00	100	4	R48	24½	48	4½	225
28	95628	95828	134.00	100	4	R51	24½	51	4½	245
32	95632	95832	144.00	100	4	R54	24½	54	4½	260
36	95636	95836	181.00	200	4	R60	24½	60	4½	290
40	95640	95840	191.00	200	4	R63	24½	63	4½	305
44	95644	95844	201.00	200	4	R66	24½	66	4½	320
48	95648	95848	211.00	200	4	R69	24½	69	4½	335
52	95652	95852	221.00	200	4	R72	24½	72	4½	350
56	95656	95856	231.00	200	4	R75	24½	75	4½	365
60	95660	95860	241.00	200	4	R78	24½	78	4½	380



With Fuseless Main Knife Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	95904	96004	\$66.00	30	4	R27	24½	27	4½	120
8	95908	96008	75.00	60	4	R33	24½	33	4½	150
12	95912	96012	83.00	60	4	R36	24½	36	4½	165
16	95916	96016	98.00	100	4	R42	24½	42	4½	195
20	95920	96020	108.00	100	4	R45	24½	45	4½	210
24	95924	96024	118.00	100	4	R48	24½	48	4½	225
28	95928	96028	134.00	100	4	R51	24½	51	4½	245
32	95932	96032	144.00	100	4	R54	24½	54	4½	260
36	95936	96036	181.00	200	4	V60	24½	60	5¼	290
40	95940	96040	191.00	200	4	V63	24½	63	5¼	305
44	95944	96044	201.00	200	4	V66	24½	66	5¼	320
48	95948	96048	211.00	200	4	V69	24½	69	5¼	335
52	95952	96052	221.00	200	4	V72	24½	72	5¼	350
56	95956	96056	231.00	200	4	V75	24½	75	5¼	365
60	95960	96060	241.00	200	4	V78	24½	78	5¼	380



With Fusible Main Knife Switch.

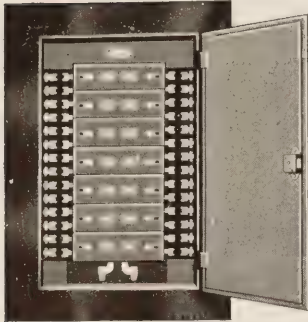


**2 Wire Mains  
2 Fuse Branches**

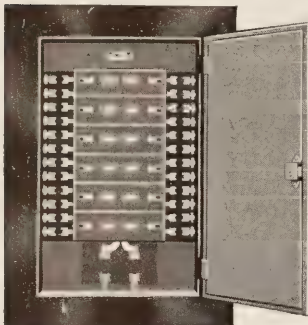
# Type OCT Open Front Panels with Cabinets

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Cartridge Fuses. Mains: 125 Volt.

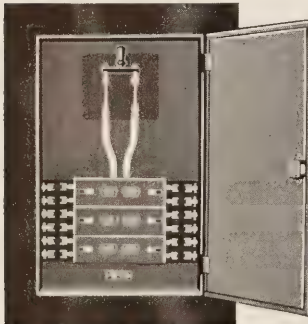
**SINGLE DOOR  
CABINETS**



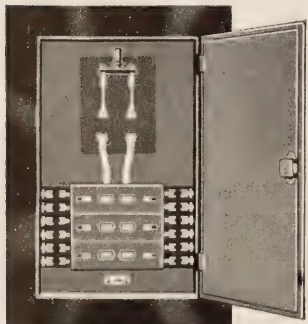
With Main Lugs Only.



With Fusible Mains.



With Fuseless Main Knife  
Switch.



With Fusible Main Knife  
Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	96104	96154	\$42.00	60	4	R21	24½	21	4½	105
6	96106	96156	52.00	100	4	R24	24½	24	4½	120
8	96108	96158	62.00	100	4	R27	24½	27	4½	135
10	96110	96160	72.00	100	4	R30	24½	30	4½	150
12	96112	96162	82.00	200	4	R33	24½	33	4½	165
14	96114	96164	94.00	200	4	R36	24½	36	4½	180
16	96116	96166	104.00	200	4	R39	24½	39	4½	195
18	96118	96168	114.00	200	4	R42	24½	42	4½	210
20	96120	96170	124.00	200	4	R45	24½	45	4½	225
22	96122	96172	134.00	200	4	R48	24½	48	4½	240
24	96124	96174	144.00	200	4	R51	24½	51	4½	255
26	96126	96176	160.00	200	4	R54	24½	54	4½	270
28	96128	96178	170.00	200	4	R57	24½	57	4½	285
30	96130	96180	184.00	200	4	R60	24½	60	4½	305
32	96132	96182	200.00	200	4	R63	24½	63	4½	325

<b>PANELS WITH FUSIBLE MAINS</b>										
4	96204	96254	\$58.00	60	4	R24	24½	24	4½	120
6	96206	96256	70.00	100	4	R33	24½	33	4½	165
8	96208	96258	80.00	100	4	R36	24½	36	4½	180
10	96210	96260	90.00	100	4	R39	24½	39	4½	195
12	96212	96262	110.00	200	4	R45	24½	45	4½	225
14	96214	96264	120.00	200	4	R48	24½	48	4½	240
16	96216	96266	130.00	200	4	R51	24½	51	4½	255
18	96218	96268	140.00	200	4	R54	24½	54	4½	270
20	96220	96270	150.00	200	4	R57	24½	57	4½	285
22	96222	96272	170.00	200	4	R60	24½	60	4½	305
24	96224	96274	180.00	200	4	R63	24½	63	4½	325
26	96226	96276	190.00	200	4	R66	24½	66	4½	345
28	96228	96278	200.00	200	4	R69	24½	69	4½	365
30	96230	96280	210.00	200	4	R72	24½	72	4½	385
32	96232	96282	220.00	200	4	R75	24½	75	4½	405

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	96304	96354	\$69.00	60	4	R33	24½	33	4½	150
6	96306	96356	90.00	100	4	R39	24½	39	4½	180
8	96308	96358	100.00	100	4	R42	24½	42	4½	195
10	96310	96360	110.00	100	4	R45	24½	45	4½	210
12	96312	96362	141.00	200	4	R51	24½	51	4½	245
14	96314	96364	151.00	200	4	R54	24½	54	4½	260
16	96316	96366	171.00	200	4	R57	24½	57	4½	275
18	96318	96368	181.00	200	4	R60	24½	60	4½	295
20	96320	96370	191.00	200	4	R63	24½	63	4½	315
22	96322	96372	201.00	200	4	R66	24½	66	4½	335
24	96324	96374	211.00	200	4	R69	24½	69	4½	355
26	96326	96376	227.00	200	4	R72	24½	72	4½	375
28	96328	96378	241.00	200	4	R75	24½	75	4½	395
30	96330	96380	257.00	200	4	R78	24½	78	4½	415
32	96332	96382	271.00	200	4	R81	24½	81	4½	435

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	96404	96454	\$69.00	60	4	R33	24½	33	4½	150
6	96406	96456	90.00	100	4	R39	24½	39	4½	180
8	96408	96458	100.00	100	4	R42	24½	42	4½	195
10	96410	96460	110.00	100	4	R45	24½	45	4½	210
12	96412	96462	141.00	200	4	V51	24½	51	5¼	245
14	96414	96464	151.00	200	4	V54	24½	54	5¼	260
16	96416	96466	171.00	200	4	V57	24½	57	5¼	275
18	96418	96468	181.00	200	4	V60	24½	60	5¼	295
20	96420	96470	191.00	200	4	V63	24½	63	5¼	315
22	96422	96472	201.00	200	4	V66	24½	66	5¼	335
24	96424	96474	211.00	200	4	V69	24½	69	5¼	355
26	96426	96476	227.00	200	4	V72	24½	72	5¼	375
28	96428	96478	241.00	200	4	V75	24½	75	5¼	395
30	96430	96480	257.00	200	4	V78	24½	78	5¼	415
32	96432	96482	271.00	200	4	V81	24½	81	5¼	435

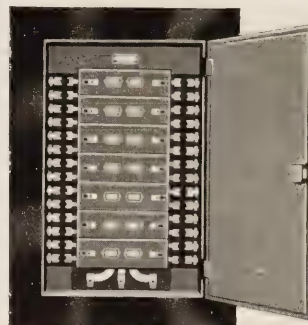
# Type OCT Open Front Panels with Cabinets

**3 Wire Mains  
2 Fuse Branches**

Branches: 2 Wire, 30 Amp. 250 V. HEAVY DUTY Tumbler Switches,  
Cartridge Fuses. Mains: 125-250 Volt.

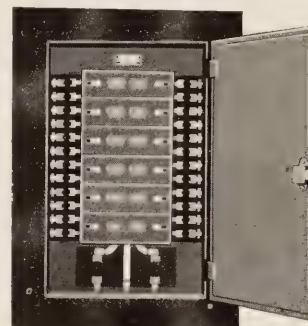
No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	96504	96554	\$38.00	30	4	R21	24½	21	4½	105
6	96506	96556	48.00	60	4	R24	24½	24	4½	120
8	96508	96558	58.00	60	4	R27	24½	27	4½	135
10	96510	96560	68.00	60	4	R30	24½	30	4½	150
12	96512	96562	78.00	60	4	R33	24½	33	4½	165
14	96514	96564	90.00	100	4	R36	24½	36	4½	180
16	96516	96566	100.00	100	4	R39	24½	39	4½	195
18	96518	96568	110.00	100	4	R42	24½	42	4½	210
20	96520	96570	124.00	100	4	R45	24½	45	4½	225
22	96522	96572	134.00	100	4	R48	24½	48	4½	240
24	96524	96574	144.00	100	4	R51	24½	51	4½	255
26	96526	96576	154.00	100	4	R54	24½	54	4½	270
28	96528	96578	164.00	100	4	R57	24½	57	4½	285
30	96530	96580	174.00	100	4	R60	24½	60	4½	305
32	96532	96582	190.00	100	4	R63	24½	63	4½	325

## SINGLE DOOR CABINETS



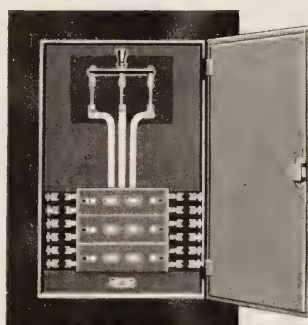
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	96604	96654	\$52.00	30	4	R24	24½	24	4½	120
6	96606	96656	62.00	60	4	R27	24½	27	4½	135
8	96608	96658	72.00	60	4	R30	24½	30	4½	150
10	96610	96660	82.00	60	4	R33	24½	33	4½	165
12	96612	96662	92.00	60	4	R36	24½	36	4½	180
14	96614	96664	112.00	100	4	R45	24½	45	4½	225
16	96616	96666	122.00	100	4	R48	24½	48	4½	240
18	96618	96668	132.00	100	4	R51	24½	51	4½	255
20	96620	96670	142.00	100	4	R54	24½	54	4½	270
22	96622	96672	152.00	100	4	R57	24½	57	4½	285
24	96624	96674	162.00	100	4	R60	24½	60	4½	305
26	96626	96676	176.00	100	4	R63	24½	63	4½	325
28	96628	96678	186.00	100	4	R66	24½	66	4½	345
30	96630	96680	196.00	100	4	R69	24½	69	4½	365
32	96632	96682	206.00	100	4	R72	24½	72	4½	385



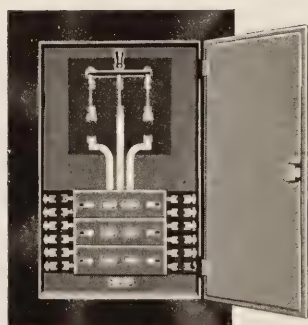
With Fusible Mains.

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	96804	96854	\$66.00	30	4	R30	24½	30	4½	150
6	96806	96856	77.00	60	4	R36	24½	36	4½	165
8	96808	96858	87.00	60	4	R39	24½	39	4½	180
10	96810	96860	97.00	60	4	R42	24½	42	4½	195
12	96812	96862	107.00	60	4	R45	24½	45	4½	210
14	96814	96864	132.00	100	4	R51	24½	51	4½	240
16	96816	96866	142.00	100	4	R54	24½	54	4½	255
18	96818	96868	162.00	100	4	R57	24½	57	4½	270
20	96820	96870	172.00	100	4	R60	24½	60	4½	290
22	96822	96872	182.00	100	4	R63	24½	63	4½	310
24	96824	96874	192.00	100	4	R66	24½	66	4½	330
26	96826	96876	202.00	100	4	R69	24½	69	4½	350
28	96828	96878	212.00	100	4	R72	24½	72	4½	370
30	96830	96880	222.00	100	4	R75	24½	75	4½	390
32	96832	96882	232.00	100	4	R78	24½	78	4½	410



With Fuseless Main Knife  
Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	96904	96954	\$66.00	30	4	R30	24½	30	4½	150
6	96906	96956	77.00	60	4	R36	24½	36	4½	165
8	96908	96958	87.00	60	4	R39	24½	39	4½	180
10	96910	96960	97.00	60	4	R42	24½	42	4½	195
12	96912	96962	107.00	60	4	R45	24½	45	4½	210
14	96914	96964	132.00	100	4	R51	24½	51	4½	240
16	96916	96966	142.00	100	4	R54	24½	54	4½	255
18	96918	96968	162.00	100	4	R57	24½	57	4½	270
20	96920	96970	172.00	100	4	R60	24½	60	4½	290
22	96922	96972	182.00	100	4	R63	24½	63	4½	310
24	96924	96974	192.00	100	4	R66	24½	66	4½	330
26	96926	96976	202.00	100	4	R69	24½	69	4½	350
28	96928	96978	212.00	100	4	R72	24½	72	4½	370
30	96930	96980	222.00	100	4	R75	24½	75	4½	390
32	96932	96982	232.00	100	4	R78	24½	78	4½	410



With Fusible Main Knife  
Switch.

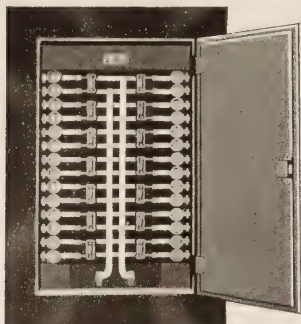


**2 Wire Mains  
2 Fuse Branches**

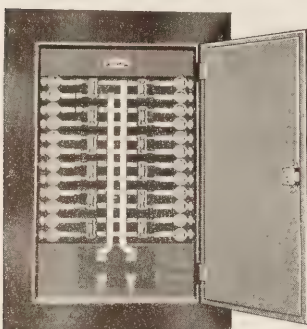
# Type OPK Open Front Panels with Cabinets

Branches: 2 Wire, 30 Amp. 125 V. Knife Switches, Plug Fuses.  
Mains: 125 Volt.

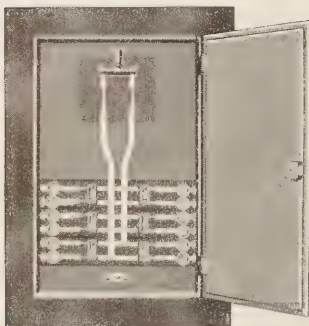
**SINGLE DOOR  
CABINETS**



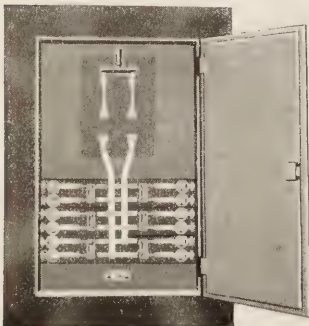
With Main Lugs Only.



With Fusible Mains.



With Fuseless Main Knife Switch.



With Fusible Main Knife Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	97004	97054	\$44.00	60	4	R21	24½	21	4½	100
6	97006	97056	52.00	100	4	R24	24½	24	4½	115
8	97008	97058	62.00	100	4	R27	24½	27	4½	130
10	97010	97060	72.00	100	4	R30	24½	30	4½	145
12	97012	97062	82.00	200	4	R33	24½	33	4½	160
14	97014	97064	94.00	200	4	R36	24½	36	4½	175
16	97016	97066	104.00	200	4	R39	24½	39	4½	185
18	97018	97068	114.00	200	4	R42	24½	42	4½	200
20	97020	97070	124.00	200	4	R45	24½	45	4½	215
22	97022	97072	134.00	200	4	R48	24½	48	4½	225
24	97024	97074	144.00	200	4	R51	24½	51	4½	240
26	97026	97076	154.00	200	4	R54	24½	54	4½	255
28	97028	97078	164.00	200	4	R57	24½	57	4½	270
30	97030	97080	184.00	200	4	R60	24½	60	4½	285
32	97032	97082	200.00	200	4	R63	24½	63	4½	305

<b>PANELS WITH FUSIBLE MAINS</b>										
4	97104	97154	\$58.00	60	4	R24	24½	24	4½	115
6	97106	97156	70.00	100	4	R33	24½	33	4½	160
8	97108	97158	80.00	100	4	R36	24½	36	4½	175
10	97110	97160	90.00	100	4	R39	24½	39	4½	185
12	97112	97162	110.00	200	4	R45	24½	45	4½	215
14	97114	97164	120.00	200	4	R48	24½	48	4½	225
16	97116	97166	130.00	200	4	R51	24½	51	4½	240
18	97118	97168	140.00	200	4	R54	24½	54	4½	255
20	97120	97170	150.00	200	4	R57	24½	57	4½	270
22	97122	97172	170.00	200	4	R60	24½	60	4½	285
24	97124	97174	180.00	200	4	R63	24½	63	4½	305
26	97126	97176	190.00	200	4	R66	24½	66	4½	325
28	97128	97178	200.00	200	4	R69	24½	69	4½	345
30	97130	97180	210.00	200	4	R72	24½	72	4½	360
32	97132	97182	220.00	200	4	R75	24½	75	4½	380

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	97204	97254	\$65.00	60	4	R33	24½	33	4½	145
6	97206	97256	78.00	100	4	R39	24½	39	4½	175
8	97208	97258	88.00	100	4	R42	24½	42	4½	190
10	97210	97260	98.00	100	4	R45	24½	45	4½	205
12	97212	97262	130.00	200	4	R51	24½	51	4½	240
14	97214	97264	140.00	200	4	R54	24½	54	4½	255
16	97216	97266	156.00	200	4	R57	24½	57	4½	265
18	97218	97268	166.00	200	4	R60	24½	60	4½	285
20	97220	97270	176.00	200	4	R63	24½	63	4½	305
22	97222	97272	184.00	200	4	R66	24½	66	4½	320
24	97224	97274	194.00	200	4	R69	24½	69	4½	340
26	97226	97276	208.00	200	4	R72	24½	72	4½	360
28	97228	97278	218.00	200	4	R75	24½	75	4½	380
30	97230	97280	228.00	200	4	R78	24½	78	4½	400
32	97232	97282	238.00	200	4	R81	24½	81	4½	415

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	97304	97354	\$65.00	60	4	R33	24½	33	4½	145
6	97306	97356	78.00	100	4	R39	24½	39	4½	175
8	97308	97358	88.00	100	4	R42	24½	42	4½	190
10	97310	97360	98.00	100	4	R45	24½	45	4½	205
12	97312	97362	130.00	200	4	V51	24½	51	5¼	240
14	97314	97364	140.00	200	4	V54	24½	54	5¼	255
16	97316	97366	156.00	200	4	V57	24½	57	5¼	265
18	97318	97368	166.00	200	4	V60	24½	60	5¼	285
20	97320	97370	176.00	200	4	V63	24½	63	5¼	305
22	97322	97372	184.00	200	4	V66	24½	66	5¼	320
24	97324	97374	194.00	200	4	V69	24½	69	5¼	340
26	97326	97376	208.00	200	4	V72	24½	72	5¼	360
28	97328	97378	218.00	200	4	V75	24½	75	5¼	380
30	97330	97380	228.00	200	4	V78	24½	78	5¼	400
32	97332	97382	238.00	200	4	V81	24½	81	5¼	415

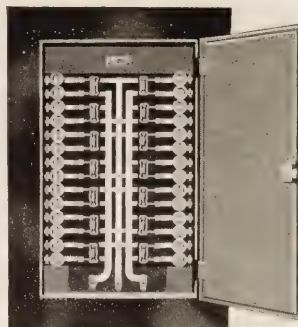
# Type OPK Open Front Panels with Cabinets

**3 Wire Mains  
2 Fuse Branches**

Branches: 2 Wire, 30 Amp. 125 V. Knife Switches, Plug Fuses.  
Mains: 125-250 Volt.

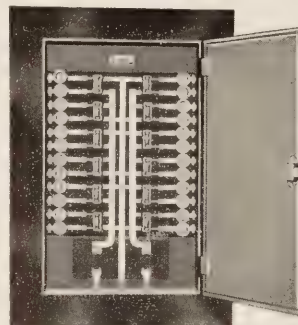
No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	
PANELS WITH MAIN LUGS ONLY										
4	97404	97454	\$42.00	30	4	R21	24½	21	4½	100
6	97406	97456	48.00	60	4	R24	24½	24	4½	115
8	97408	97458	58.00	60	4	R27	24½	27	4½	130
10	97410	97460	68.00	60	4	R30	24½	30	4½	145
12	97412	97462	78.00	60	4	R33	24½	33	4½	160
14	97414	97464	90.00	100	4	R36	24½	36	4½	175
16	97416	97466	100.00	100	4	R39	24½	39	4½	185
18	97418	97468	110.00	100	4	R42	24½	42	4½	200
20	97420	97470	124.00	100	4	R45	24½	45	4½	215
22	97422	97472	134.00	100	4	R48	24½	48	4½	225
24	97424	97474	144.00	100	4	R51	24½	51	4½	240
26	97426	97476	154.00	100	4	R54	24½	54	4½	255
28	97428	97478	164.00	100	4	R57	24½	57	4½	270
30	97430	97480	174.00	100	4	R60	24½	60	4½	285
32	97432	97482	190.00	100	4	R63	24½	63	4½	305

## SINGLE DOOR CABINETS



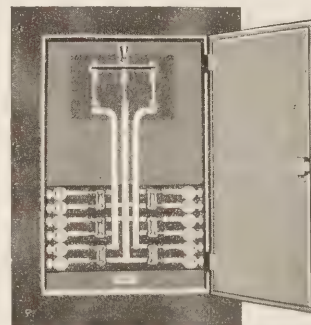
With Main Lugs Only.

<b>PANELS WITH FUSIBLE MAINS</b>										
4	97504	97554	\$52.00	30	4	R24	24½	24	4½	115
6	97506	97556	62.00	60	4	R27	24½	27	4½	130
8	97508	97558	72.00	60	4	R30	24½	30	4½	145
10	97510	97560	82.00	60	4	R33	24½	33	4½	160
12	97512	97562	92.00	60	4	R36	24½	36	4½	175
14	97514	97564	112.00	100	4	R45	24½	45	4½	215
16	97516	97566	122.00	100	4	R48	24½	48	4½	225
18	97518	97568	132.00	100	4	R51	24½	51	4½	240
20	97520	97570	142.00	100	4	R54	24½	54	4½	255
22	97522	97572	152.00	100	4	R57	24½	57	4½	270
24	97524	97574	162.00	100	4	R60	24½	60	4½	285
26	97526	97576	176.00	100	4	R63	24½	63	4½	305
28	97528	97578	186.00	100	4	R66	24½	66	4½	325
30	97530	97580	196.00	100	4	R69	24½	69	4½	345
32	97532	97582	206.00	100	4	R72	24½	72	4½	360



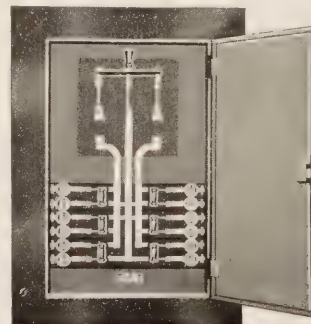
With Fusible Mains.

<b>PANELS WITH FUSELESS MAIN KNIFE SWITCH</b>										
4	97604	97654	\$62.00	30	4	R30	24½	30	4½	130
6	97606	97656	72.00	60	4	R36	24½	36	4½	160
8	97608	97658	80.00	60	4	R39	24½	39	4½	175
10	97610	97660	90.00	60	4	R42	24½	42	4½	190
12	97612	97662	100.00	60	4	R45	24½	45	4½	205
14	97614	97664	120.00	100	4	R51	24½	51	4½	240
16	97616	97666	130.00	100	4	R54	24½	54	4½	255
18	97618	97668	148.00	100	4	R57	24½	57	4½	265
20	97620	97670	158.00	100	4	R60	24½	60	4½	285
22	97622	97672	166.00	100	4	R63	24½	63	4½	305
24	97624	97674	176.00	100	4	R66	24½	66	4½	320
26	97626	97676	184.00	100	4	R69	24½	69	4½	340
28	97628	97678	200.00	100	4	R72	24½	72	4½	360
30	97630	97680	210.00	100	4	R75	24½	75	4½	380
32	97632	97682	220.00	100	4	R78	24½	78	4½	400



With Fuseless Main Knife Switch.

<b>PANELS WITH FUSIBLE MAIN KNIFE SWITCH</b>										
4	97704	97754	\$62.00	30	4	R30	24½	30	4½	130
6	97706	97756	72.00	60	4	R36	24½	36	4½	160
8	97708	97758	80.00	60	4	R39	24½	39	4½	175
10	97710	97760	90.00	60	4	R42	24½	42	4½	190
12	97712	97762	100.00	60	4	R45	24½	45	4½	205
14	97714	97764	120.00	100	4	R51	24½	51	4½	240
16	97716	97766	130.00	100	4	R54	24½	54	4½	255
18	97718	97768	148.00	100	4	R57	24½	57	4½	265
20	97720	97770	158.00	100	4	R60	24½	60	4½	285
22	97722	97772	166.00	100	4	R63	24½	63	4½	305
24	97724	97774	176.00	100	4	R66	24½	66	4½	320
26	97726	97776	184.00	100	4	R69	24½	69	4½	340
28	97728	97778	200.00	100	4	R72	24½	72	4½	360
30	97730	97780	210.00	100	4	R75	24½	75	4½	380
32	97732	97782	220.00	100	4	R78	24½	78	4½	400



With Fusible Main Knife Switch.

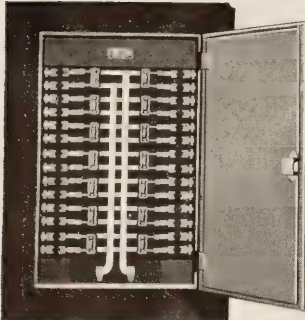


**2 Wire Mains  
2 Fuse Branches**

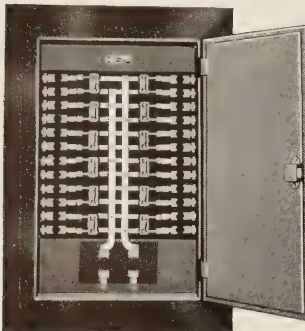
# Type OCK Open Front Panels with Cabinets

Branches: 2 Wire, 30 Amp. 125 V. Knife Switches, Cartridge Fuses.  
Mains: 125 Volt.

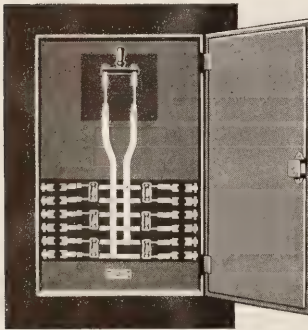
**SINGLE DOOR  
CABINETS**



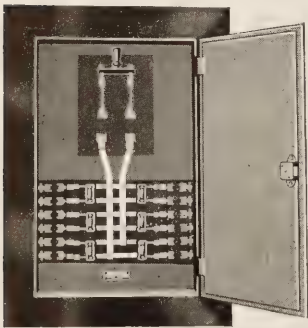
With Main Lugs Only.



With Fusible Mains.



With Fuseless Main Knife Switch.



With Fusible Main Knife Switch.

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	

**PANELS WITH MAIN LUGS ONLY**

4	97804	97854	\$44.00	60	4	R21	24½	21	4½	100
6	97806	97856	52.00	100	4	R24	24½	24	4½	115
8	97808	97858	62.00	100	4	R27	24½	27	4½	130
10	97810	97860	72.00	100	4	R30	24½	30	4½	145
12	97812	97862	82.00	200	4	R33	24½	33	4½	160
14	97814	97864	94.00	200	4	R36	24½	36	4½	175
16	97816	97866	104.00	200	4	R39	24½	39	4½	185
18	97818	97868	114.00	200	4	R42	24½	42	4½	200
20	97820	97870	124.00	200	4	R45	24½	45	4½	215
22	97822	97872	134.00	200	4	R48	24½	48	4½	225
24	97824	97874	144.00	200	4	R51	24½	51	4½	240
26	97826	97876	154.00	200	4	R54	24½	54	4½	255
28	97828	97878	164.00	200	4	R57	24½	57	4½	270
30	97830	97880	184.00	200	4	R60	24½	60	4½	285
32	97832	97882	200.00	200	4	R63	24½	63	4½	305

**PANELS WITH FUSIBLE MAINS**

4	97904	97954	\$58.00	60	4	R24	24½	24	4½	115
6	97906	97956	70.00	100	4	R33	24½	33	4½	160
8	97908	97958	80.00	100	4	R36	24½	36	4½	175
10	97910	97960	90.00	100	4	R39	24½	39	4½	185
12	97912	97962	110.00	200	4	R45	24½	45	4½	215
14	97914	97964	120.00	200	4	R48	24½	48	4½	225
16	97916	97966	130.00	200	4	R51	24½	51	4½	240
18	97918	97968	140.00	200	4	R54	24½	54	4½	255
20	97920	97970	150.00	200	4	R57	24½	57	4½	270
22	97922	97972	170.00	200	4	R60	24½	60	4½	285
24	97924	97974	180.00	200	4	R63	24½	63	4½	305
26	97926	97976	190.00	200	4	R66	24½	66	4½	325
28	97928	97978	200.00	200	4	R69	24½	69	4½	345
30	97930	97980	210.00	200	4	R72	24½	72	4½	360
32	97932	97982	220.00	200	4	R75	24½	75	4½	380

**PANELS WITH FUSELESS MAIN KNIFE SWITCH**

4	98004	98054	\$65.00	60	4	R33	24½	33	4½	145
6	98006	98056	78.00	100	4	R39	24½	39	4½	175
8	98008	98058	88.00	100	4	R42	24½	42	4½	190
10	98010	98060	98.00	100	4	R45	24½	45	4½	205
12	98012	98062	130.00	200	4	R51	24½	51	4½	240
14	98014	98064	140.00	200	4	R54	24½	54	4½	255
16	98016	98066	156.00	200	4	R57	24½	57	4½	265
18	98018	98068	166.00	200	4	R60	24½	60	4½	285
20	98020	98070	176.00	200	4	R63	24½	63	4½	305
22	98022	98072	184.00	200	4	R66	24½	66	4½	320
24	98024	98074	194.00	200	4	R69	24½	69	4½	340
26	98026	98076	208.00	200	4	R72	24½	72	4½	360
28	98028	98078	218.00	200	4	R75	24½	75	4½	380
30	98030	98080	228.00	200	4	R78	24½	78	4½	400
32	98032	98082	238.00	200	4	R81	24½	81	4½	415

**PANELS WITH FUSIBLE MAIN KNIFE SWITCH**

4	98104	98154	\$65.00	60	4	R33	24½	33	4½	145
6	98106	98156	78.00	100	4	R39	24½	39	4½	175
8	98108	98158	88.00	100	4	R42	24½	42	4½	190
10	98110	98160	98.00	100	4	R45	24½	45	4½	205
12	98112	98162	130.00	200	4	V51	24½	51	5¼	240
14	98114	98164	140.00	200	4	V54	24½	54	5¼	255
16	98116	98166	156.00	200	4	V57	24½	57	5¼	265
18	98118	98168	166.00	200	4	V60	24½	60	5¼	285
20	98120	98170	176.00	200	4	V63	24½	63	5¼	305
22	98122	98172	184.00	200	4	V66	24½	66	5¼	320
24	98124	98174	194.00	200	4	V69	24½	69	5¼	340
26	98126	98176	208.00	200	4	V72	24½	72	5¼	360
28	98128	98178	218.00	200	4	V75	24½	75	5¼	380
30	98130	98180	228.00	200	4	V78	24½	78	5¼	400
32	98132	98182	238.00	200	4	V81	24½	81	5¼	415

# Type OCK Open Front Panels with Cabinets

Branches: 2 Wire, 30 Amp. 125 V. Knife Switches, Cartridge Fuses.  
Mains: 125-250 Volt.

**3 Wire Mains  
2 Fuse Branches**

No. of Cir.	Panel with Cabinet		List Price	Capacity of Mains Amps.	Gutter Space Inches	Box No.	Box Dimensions in Inches			Shipping Weight Pounds
	Surface Cat. No.	Flush Cat. No.					Wide Outside	High Outside	Deep Inside	

## PANELS WITH MAIN LUGS ONLY

4	98204	98254	\$42.00	30	4	R21	24½	21	4½	100
6	98206	98256	48.00	60	4	R24	24½	24	4½	115
8	98208	98258	58.00	60	4	R27	24½	27	4½	130
10	98210	98260	68.00	60	4	R30	24½	30	4½	145
12	98212	98262	78.00	60	4	R33	24½	33	4½	160
14	98214	98264	90.00	100	4	R36	24½	36	4½	175
16	98216	98266	100.00	100	4	R39	24½	39	4½	185
18	98218	98268	110.00	100	4	R42	24½	42	4½	200
20	98220	98270	124.00	100	4	R45	24½	45	4½	215
22	98222	98272	134.00	100	4	R48	24½	48	4½	225
24	98224	98274	144.00	100	4	R51	24½	51	4½	240
26	98226	98276	154.00	100	4	R54	24½	54	4½	255
28	98228	98278	164.00	100	4	R57	24½	57	4½	270
30	98230	98280	174.00	100	4	R60	24½	60	4½	285
32	98232	98282	190.00	100	4	R63	24½	63	4½	305

## PANELS WITH FUSIBLE MAINS

4	98304	98354	\$52.00	30	4	R24	24½	24	4½	115
6	98306	98356	62.00	60	4	R27	24½	27	4½	130
8	98308	98358	72.00	60	4	R30	24½	30	4½	145
10	98310	98360	82.00	60	4	R33	24½	33	4½	160
12	98312	98362	92.00	60	4	R36	24½	36	4½	175
14	98314	98364	112.00	100	4	R45	24½	45	4½	215
16	98316	98366	122.00	100	4	R48	24½	48	4½	225
18	98318	98368	132.00	100	4	R51	24½	51	4½	240
20	98320	98370	142.00	100	4	R54	24½	54	4½	255
22	98322	98372	152.00	100	4	R57	24½	57	4½	270
24	98324	98374	162.00	100	4	R60	24½	60	4½	285
26	98326	98376	176.00	100	4	R63	24½	63	4½	305
28	98328	98378	186.00	100	4	R66	24½	66	4½	325
30	98330	98380	196.00	100	4	R69	24½	69	4½	345
32	98332	98382	206.00	100	4	R72	24½	72	4½	360

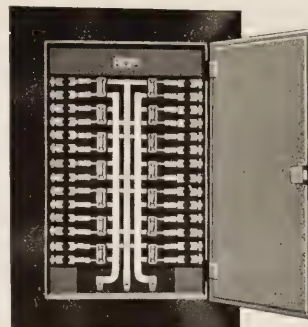
## PANELS WITH FUSELESS MAIN KNIFE SWITCH

4	98404	98454	\$62.00	30	4	R30	24½	30	4½	130
6	98406	98456	72.00	60	4	R36	24½	36	4½	160
8	98408	98458	80.00	60	4	R39	24½	39	4½	175
10	98410	98460	90.00	60	4	R42	24½	42	4½	190
12	98412	98462	100.00	60	4	R45	24½	45	4½	205
14	98414	98464	120.00	100	4	R51	24½	51	4½	240
16	98416	98466	130.00	100	4	R54	24½	54	4½	255
18	98418	98468	148.00	100	4	R57	24½	57	4½	265
20	98420	98470	158.00	100	4	R60	24½	60	4½	285
22	98422	98472	166.00	100	4	R63	24½	63	4½	305
24	98424	98474	176.00	100	4	R66	24½	66	4½	320
26	98426	98476	184.00	100	4	R69	24½	69	4½	340
28	98428	98478	200.00	100	4	R72	24½	72	4½	360
30	98430	98480	210.00	100	4	R75	24½	75	4½	380
32	98432	98482	220.00	100	4	R78	24½	78	4½	400

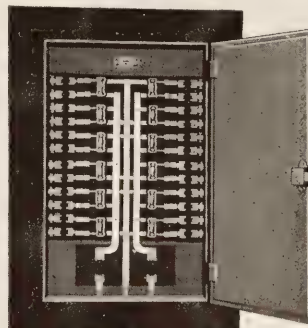
## PANELS WITH FUSIBLE MAIN KNIFE SWITCH

4	98504	98554	\$62.00	30	4	R30	24½	30	4½	130
6	98506	98556	72.00	60	4	R36	24½	36	4½	160
8	98508	98558	80.00	60	4	R39	24½	39	4½	175
10	98510	98560	90.00	60	4	R42	24½	42	4½	190
12	98512	98562	100.00	60	4	R45	24½	45	4½	205
14	98514	98564	120.00	100	4	R51	24½	51	4½	240
16	98516	98566	130.00	100	4	R54	24½	54	4½	255
18	98518	98568	148.00	100	4	R57	24½	57	4½	265
20	98520	98570	158.00	100	4	R60	24½	60	4½	285
22	98522	98572	166.00	100	4	R63	24½	63	4½	305
24	98524	98574	176.00	100	4	R66	24½	66	4½	320
26	98526	98576	184.00	100	4	R69	24½	69	4½	340
28	98528	98578	200.00	100	4	R72	24½	72	4½	360
30	98530	98580	210.00	100	4	R75	24½	75	4½	380
32	98532	98582	220.00	100	4	R78	24½	78	4½	400

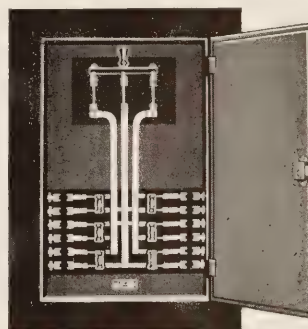
## SINGLE DOOR CABINETS



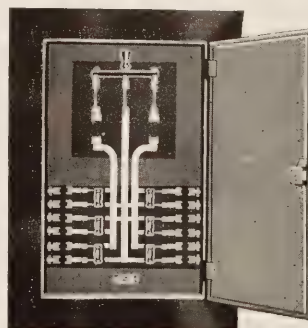
With Main Lugs Only.



With Fusible Mains.



With Fuseless Main Knife Switch.



With Fusible Main Knife Switch.



## Galvanized Steel Boxes

### For Standard Lighting Panelboards

Catalog No.	List Price	Gauge No.	Box Dimensions in Inches			Shipping Weight, Pounds
			Wide Outside	High Outside	Deep Inside	
R18	\$7.60	14	24½	18	4½	23
R21	7.90	14	24½	21	4½	25
R24	8.20	14	24½	24	4½	27
R27	8.60	14	24½	27	4½	30
R30	8.90	14	24½	30	4½	32
R33	9.30	14	24½	33	4½	34
R36	9.70	14	24½	36	4½	37
R39	10.00	14	24½	39	4½	39
R42	16.80	12	24½	42	4½	57
R45	17.20	12	24½	45	4½	60
R48	17.70	12	24½	48	4½	64
R51	18.10	12	24½	51	4½	67
R54	18.60	12	24½	54	4½	70
R57	19.00	12	24½	57	4½	73
R60	19.70	12	24½	60	4½	76
R63	28.50	10	24½	63	4½	102
R66	29.10	10	24½	66	4½	106
R69	29.60	10	24½	69	4½	110
R72	30.10	10	24½	72	4½	114
R75	30.70	10	24½	75	4½	118
R78	31.30	10	24½	78	4½	122
R81	31.80	10	24½	81	4½	127
V42	17.40	12	24½	42	5¼	61
V45	17.80	12	24½	45	5¼	65
V48	18.30	12	24½	48	5¼	68
V51	18.80	12	24½	51	5¼	71
V54	19.20	12	24½	54	5¼	75
V57	19.70	12	24½	57	5¼	78
V60	20.40	12	24½	60	5¼	81
V63	29.40	10	24½	63	5¼	108
V66	30.00	10	24½	66	5¼	113
V69	30.60	10	24½	69	5¼	117
V72	31.10	10	24½	72	5¼	121
V75	31.70	10	24½	75	5¼	126
V78	32.30	10	24½	78	5¼	130
V81	32.90	10	24½	81	5¼	134

### Additions to Box Heights Required for Increased Mains and Sub-Feeds

INCREASED MAINS							SUB-FEEDS				
INCREASE OF AMPERES, CAPACITY		MAIN LUGS ONLY	FUSIBLE MAINS ONLY	FUSELESS KNIFE SWITCH	FUSIBLE KNIFE SWITCH	FUSIBLE BRUSH SWITCH	AMPERES CAPACITY	THROUGH FEED LUGS	FUSIBLE ONLY	FUSIBLE KNIFE SWITCH	FUSIBLE BRUSH SWITCH
FROM	TO										
30	60	0	0	3"	3"	0	30	0	3"	9"	12"
30	100	0	6"	6"	6"	3"	60	0	3"	12"	12"
30	200	0	9"	9"	9"	6"	100	0	9"	15"	15"
60	100	0	6"	3"	3"	3"	200	0	12"	18"	18"
60	200	0	9"	6"	6"	6"	Two—30A	3 Pole	6"	12"	15"
100	200	0	3"	3"	3"	3"	One—30A One—60A	3 Pole	6"	15"	15"
							Two—60A		6"	15"	15"
							Two—30A	2 Pole	6"	12"	15"
							One—30A One—60A	2 Pole	6"	15"	15"
							Two—60A		6"	15"	15"
							One—60A One—100A	2 Pole	12"	18"	18"

When 400 Ampere Mains are required, the box dimensions will be furnished on application.

NOTE—For prices on increased mains and sub-feeds, see pages 48 and 49.

## SECTION IV

## Increased Capacities and Added Equipment

### *Important*

Standard bus bar capacities are based on 1924 Underwriters Code requirements. Special or increased capacities and additional equipment will be furnished when so ordered, at prices shown in this section.

### Index to Section IV

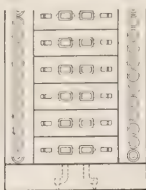
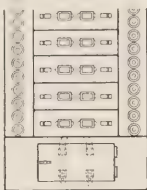
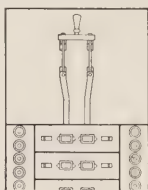
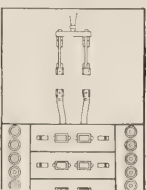
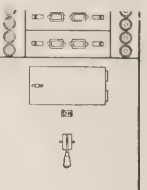
<i>Increased Mains and Sub-Feeds (2-Wire)</i> .....	Page 48
<i>Increased Mains and Sub-Feeds (3-Wire)</i> .....	Page 49
<i>Meter Loops, Directory Frames, Increased Gutter Space</i> .....	Page 50
<i>Weatherproof Cabinets</i> .....	Page 51



## 2 Wire

## Increased Mains

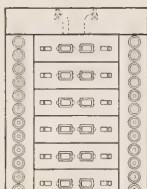
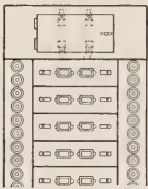
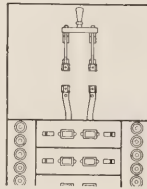
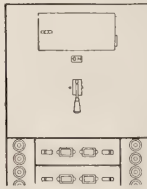
On Panels having one of the five different arrangements of Main Terminals shown

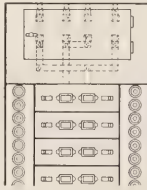
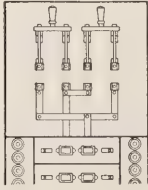
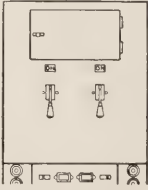
2 Wire Mains 125 Volt		Main Lugs				Fusible Mains				Fuseless Knife Switch				Fusible Knife Switch				Fusible Brush Switch		
Branches 125 Volt																				
No. of Circuits	Std. Cap. Mains	100A	200A	400A	100A	200A	400A	100A	200A	400A	100A	200A	400A	100A	200A	400A	100A	200A	400A	
Additions to be made to list price of Panelboard and Cabinet for increasing capacity of Mains.*																				
4	60A	\$1.50	\$3.00	\$ 7.00	\$3.60	\$8.60	\$25.00	\$8.00	\$18.00	\$52.00	\$9.00	\$21.00	\$58.00	\$5.20	\$30.00	....				
6 to 10	100A	.....	3.60	6.00	.....	8.60	22.00	.....	14.00	50.00	.....	16.00	55.00	.....	26.00	....				
12 to 32	200A	.....	.....	5.00	.....	.....	19.00	.....	.....	47.00	.....	.....	50.00	.....	.....	.....				

## 2 Wire

## Sub-Feeds

Providing Additional Extensions to Main Bus Bars in seven arrangements as shown

2 Wire Mains 125 Volt  Branches 125 Volt		Through Feed with Lugs Only. Must be same Capacity as Mains					One Fusible Only, Sub-Feed					One Fusible Knife Switch, Sub-Feed					One Fusible Brush Switch, Sub-Feed			
	60A	100A	200A	30A	60A	100A	200A	30A	60A	100A	200A	30A	60A	100A	200A	30A	60A	100A	200A	
	Additions to be made to list price of Panelboard and Cabinet after adding for Increased Mains.*																			
	\$1.30	\$1.60	\$2.20	\$15.00	\$17.00	\$22.50	\$30.00	\$19.00	\$23.00	\$34.00	\$52.00	\$38.00	\$39.00	\$44.00	\$72.00					

2 Wire Mains 125 Volt  Branches 125 Volt		Two Fusible Only, Sub-Feeds					Two Fusible Knife Switch, Sub-Feeds					Two Fusible Brush Switch, Sub-Feeds				
	2-30A	1-30A 1-60A	2-60A	1-60A 1-100A	2-30A	1-30A 1-60A	2-60A	1-60A 1-100A	2-30A	1-30A 1-60A	2-60A	1-60A 1-100A	2-30A	1-30A 1-60A	2-60A	1-60A 1-100A
	Additions to be made to list price of Panelboard and Cabinet after adding for Increased Mains.*															
	\$22.00	\$24.00	\$25.00	\$32.00	\$30.00	\$34.00	\$40.00	\$52.00	\$58.00	\$62.00	\$67.00	\$77.00				

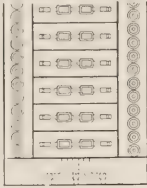
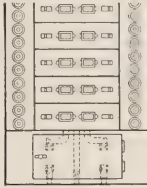
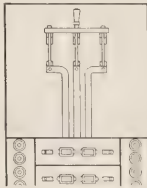
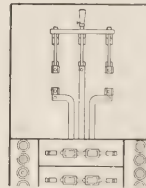
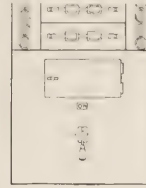
\*NOTE— See page 46 for additions to box height for Increased Mains and Sub-Feeds and add to list price as follows:

When additions increase height of box to more than 57 inches, add to cover Shoot Bolts and Vault Door Handles.....	List Price,	\$ 9.00
When additions increase height of box from 40 inches or less to not more than 60 inches, add for increasing thickness of steel from No. 14 Gauge to No. 12 Gauge.....	List Price,	8.00
When additions increase height of box between 40 inches and 60 inches to more than 60 inches, add for increasing thickness of steel from No. 12 Gauge to No. 10 Gauge.....	List Price,	3.00
When additions increase height of box from 40 inches or less to more than 60 inches, add for increasing thickness of steel from No. 14 Gauge to No. 10 Gauge.....	List Price,	9.00

## Increased Mains

**3 Wire**

**On Panels having one of the five different arrangements of Main Terminals shown**

3 Wire Mains 125-250 Volt  Branches 125 Volt																
		Main Lugs			Fusible Mains			Fuseless Knife Switch			Fusible Knife Switch			Fusible Brush Switch		
No. of Circuits	Std. Cap. Mains	60A	100A	200A	60A	100A	200A	60A	100A	200A	60A	100A	200A	60A	100A	200A
Additions to be made to list price of Panelboard and Cabinet for increased capacity of Mains.*																
4	30A	\$1.00	\$1.60	\$5.50	\$2.00	\$6.00	\$13.00	\$2.50	\$9.00	\$30.00	\$3.00	\$10.00	\$34.00	\$2.00	\$7.00	\$36.00
6 to 12	60A	.....	2.50	5.50	.....	4.50	12.00	.....	8.50	26.00	.....	9.50	31.00	.....	6.50	34.00
14 to 30	100A	.....	.....	3.50	.....	.....	11.00	.....	.....	23.00	.....	.....	28.00	.....	.....	32.00

## Sub-Feeds

**3 Wire**

**Providing Additional Extensions to Main Bus Bars in seven arrangements as shown**

3 Wire Mains  
125-250 Volt

Branches  
125 Volt

Through Feed with Lugs  
Only. Must be same  
Capacity as Mains

One Fusible  
Only, Sub-Feed

One Fusible Knife  
Switch, Sub-Feed

One Fusible Brush  
Switch, Sub-Feed

60A	100A	200A	30A	60A	100A	30A	60A	100A	30A	60A	100A
-----	------	------	-----	-----	------	-----	-----	------	-----	-----	------

Additions to be made to list price of Panelboard and Cabinet after adding for Increased Mains.\*

\$1.60	\$2.20	\$3.00	\$17.00	\$20.00	\$25.00	\$21.00	\$25.00	\$37.00	\$40.00	\$42.00	\$48.00
--------	--------	--------	---------	---------	---------	---------	---------	---------	---------	---------	---------

3 Wire Mains  
125-250 Volt

Branches  
125 Volt

Two Fusible  
Only, Sub-Feeds

Two Fusible Knife  
Switch, Sub-Feeds

Two Fusible Brush  
Switch, Sub-Feeds

2-30A	1-30A 1-60A	2-60A	2-30A	1-30A 1-60A	2-60A	2-30A	1-30A 1-60A	2-60A
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Additions to be made to list price of Panelboard and Cabinet after adding for Increased Mains.\*

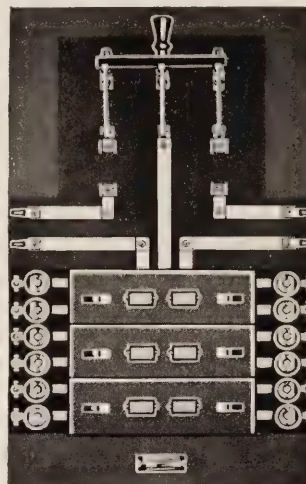
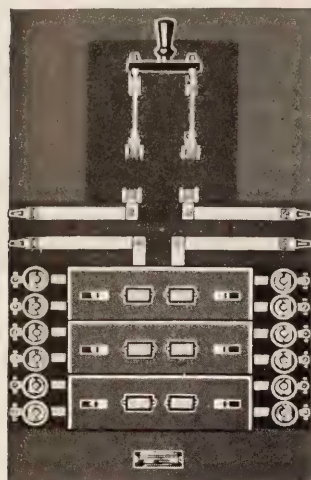
\$25.00	\$30.00	\$37.00	\$33.00	\$42.00	\$55.00	\$60.00	\$63.00	\$72.00
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**\*NOTE—** See page 46 for additions to box height for Increased Mains and Sub-Feeds and add to list price as follows:

When additions increase height of box to more than 57 inches, add to cover Shoot Bolts and Vault Door Handles.....	List Price,	\$ 9.00
When additions increase height of box from 40 inches or less to not more than 60 inches, add for increasing thickness of steel from No. 14 Gauge to No. 12 Gauge.....	List Price,	8.00
When additions increase height of box between 40 inches and 60 inches to more than 60 inches, add for increasing thickness of steel from No. 12 Gauge to No. 10 Gauge.....	List Price,	3.00
When additions increase height of box from 40 inches or less to more than 60 inches, add for increasing thickness of steel from No. 14 Gauge to No. 10 Gauge.....	List Price,	9.00



## Panels With Meter Loops



Additions to be made to list prices of Panelboards and Cabinets.

FOR 2 WIRE PANELS	
Capacity Main Connections, Amperes	Additional List Price
48 to 60	\$ 4.30
61 to 100	5.20
101 to 200	7.80
201 to 400	13.50

FOR 3 WIRE PANELS	
Capacity Main Connections, Amperes	Additional List Price
24 to 30	\$4.20
31 to 60	4.70
61 to 100	5.50
101 to 200	9.20

## Glass Covered Directory Frames

The steel back of the directory frame is spot welded to the door, the glass and card are held in place by a flanged brass frame which is secured to the steel back by four or more brass screws, forming a neat, dust proof frame.

Prices below ARE TO BE ADDED to list price of Panelboard and Cabinet. Price includes attaching Directory Frame to inside door of cabinet.



Catalog Number	Size in Inches		List Price
	Wide	High	
83990	5	3	\$2.30
83992	7	5	2.90
83994	8	6	3.40

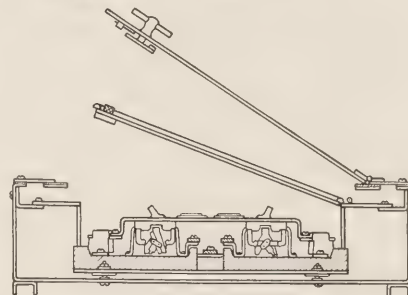
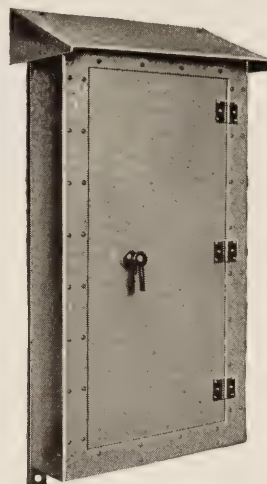
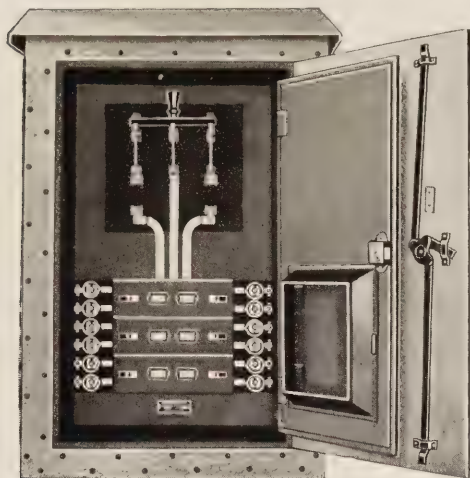
## Cabinets With Increased Gutter Space

Prices below ARE TO BE ADDED to list price of Panelboard and Cabinet.

Cabinet Height, Inches	5-in. Gutter	6-in. Gutter
17 to 40	\$4.00	\$ 7.50
41 to 50	5.00	8.50
51 to 60	6.00	10.00
61 to 85	7.00	11.50

## Weatherproof Cabinets

For Inclosing Benjamin-Starrett Standard Lighting Panelboards



The Benjamin-Starrett Weatherproof Cabinet offers a practical means of protecting panels against weather conditions in outdoor or exposed locations. They are also needed in certain types of industrial interiors where dampness is prevalent and atmospheric conditions are unusually severe.

The Benjamin-Starrett Weatherproof Cabinet takes the place of the regular box furnished with standard lighting panels and while it is not water tight, when immersed in water, it is thoroughly weatherproof and will shed rain or snow. The construction also excludes dust from the inside of the cabinet.

**Construction.** Box and outer trim are of No. 10 gauge galvanized steel. The inner trim is of black steel of code gauge thickness. The panel is suspended in box in the manner shown in illustration. Panelboard is fastened to back of box and brass screws fasten inner trim to steel inner flange inside box. Outer trim is rubber gasketed and fastened to box by means of brass screws, and outer door closes against rubber gasketed steel rabbet. The vault handle with shoot bolts clamps the outer door tightly against the rubber gasketed rabbet at three points.

The sloping rain shed is a separate piece of galvanized steel and is attached to the two channel irons on the back of the box. This hood is packed separately for shipment. The channel iron cleats provide air space between cabinet and wall. All exposed screws are brass.

**Amount to be added to list price of Standard Lighting Panelboards and Cabinets when Weatherproof Cabinet is specified**

Dimensions of Standard Cabinet in Inches		ADD FOR WEATHERPROOF CABINET	Dimensions of Standard Cabinet in Inches		ADD FOR WEATHERPROOF CABINET	Dimensions of Standard Cabinet in Inches		ADD FOR WEATHERPROOF CABINET
Height	Depth		Height	Depth		Height	Depth	
18	4 1/2	\$28.00	54	4 1/2	\$67.00	48	5 1/4	\$58.00
21	4 1/2	30.00	57	4 1/2	70.00	51	5 1/4	64.00
24	4 1/2	32.00	60	4 1/2	75.00	54	5 1/4	68.00
27	4 1/2	35.00	63	4 1/2	78.00	57	5 1/4	71.00
30	4 1/2	38.00	66	4 1/2	81.00	60	5 1/4	76.00
33	4 1/2	40.00	69	4 1/2	84.00	63	5 1/4	79.00
36	4 1/2	43.00	72	4 1/2	87.00	66	5 1/4	82.00
39	4 1/2	45.00	75	4 1/2	90.00	69	5 1/4	85.00
42	4 1/2	48.00	78	4 1/2	93.00	72	5 1/4	88.00
45	4 1/2	51.00	81	4 1/2	96.00	75	5 1/4	91.00
48	4 1/2	57.00	42	5 1/4	49.00	78	5 1/4	94.00
51	4 1/2	63.00	45	5 1/4	52.00	81	5 1/4	97.00

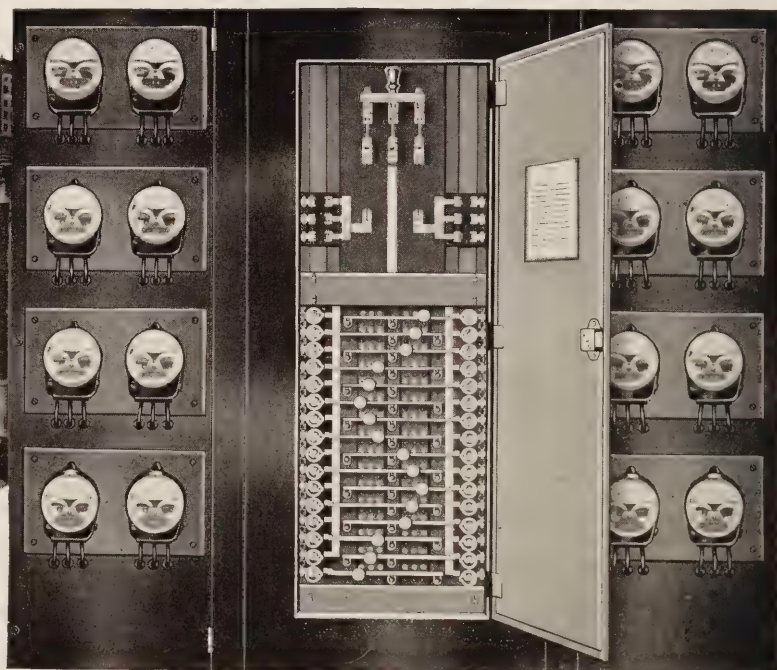


## SECTION V

## Meter-Control Panelboards with Cabinets

BENJAMIN-STARRETT metering panels are particularly applicable to office buildings, loft buildings, stores, warehouses and apartments where electricity is supplied to the tenants through separate meters and where changes in occupancy require frequent rearrangement of the electric service.

The use of the Selector Type of Benjamin-Starrett Meter Panel makes it possible to re-meter floor space, quickly and economically. No skill is required for this operation and changes in metering can be made by the maintenance man, without the use of tools, by simply re-positioning the clamp connections on the face of the board.



## Metering Panels with Cabinets

### Metering Panels and Cabinets

Benjamin-Starrett Metering Panels are furnished in two distinct types as shown, with a choice of three styles of cabinets.

#### Selector Bar Type Metering Panel

The selector bar type of panel consists of the required number of vertical meter bars with horizontal bus bars for each branch circuit. The Benjamin-Starrett clamping contactor on each branch circuit bus bar makes it possible to connect one or more branch circuits to any vertical meter bar. These changes in meter control can be made by a maintenance man without disconnecting the service, and without the use of tools.

#### Wire Connecting Type

The Wire Connecting Type has the required number of meter fuses and the connection from the meter fuse through the meter and to the fuse receptacle are made on the job by means of wire. This type of panel requires more time to rearrange the metering than the "Selector Bar Type" and it is recommended only where the initial cost of equipment must be given first consideration.

#### Cabinet Styles

Made in three styles; (1) with side gutters only having no space for meters, (2) with box and trim extended for mounting meters on front of trim, (3) with box and trim extended for mounting meters in cabinets.

### Specifications

**Bases**—Are of the sectional-unit moulded composition type, mounted on a one piece heavy gauge steel back.

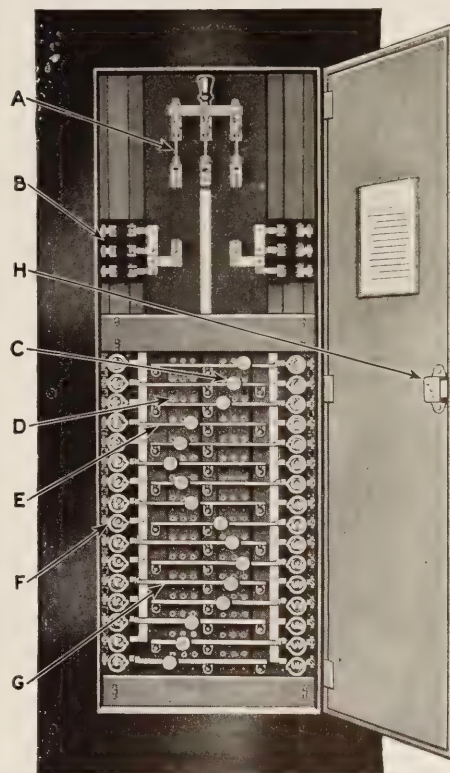
**Mains**—Fusible knife switch with cartridge fuse connections are furnished as standard equipment. Other type of main connections can be furnished if so desired. See page 60.

**Branches**—All branches are arranged for double pole Edison plug fuses. In the case of the Selector Bar type each branch circuit is equipped with a positive clamping contactor which can be readily connected to the desired meter bar. In the case of the Wire Connecting type the rearranging of metering is done by means of wire.

**Meter Fuses**—All meter fuse connections are of the cartridge type. Plug type meter fuse connections will be furnished if specified.

**Cabinets**—Cabinets for Benjamin-Starrett Metering panels are of the same general specifications as given on pages 6 and 7. Center door over meter panel is equipped with Yale combination latch and lock to prevent unauthorized changes. Doors over meters are equipped with latch only.

**Finish**—Boxes are galvanized—unpainted. Trims are finished in dead black.



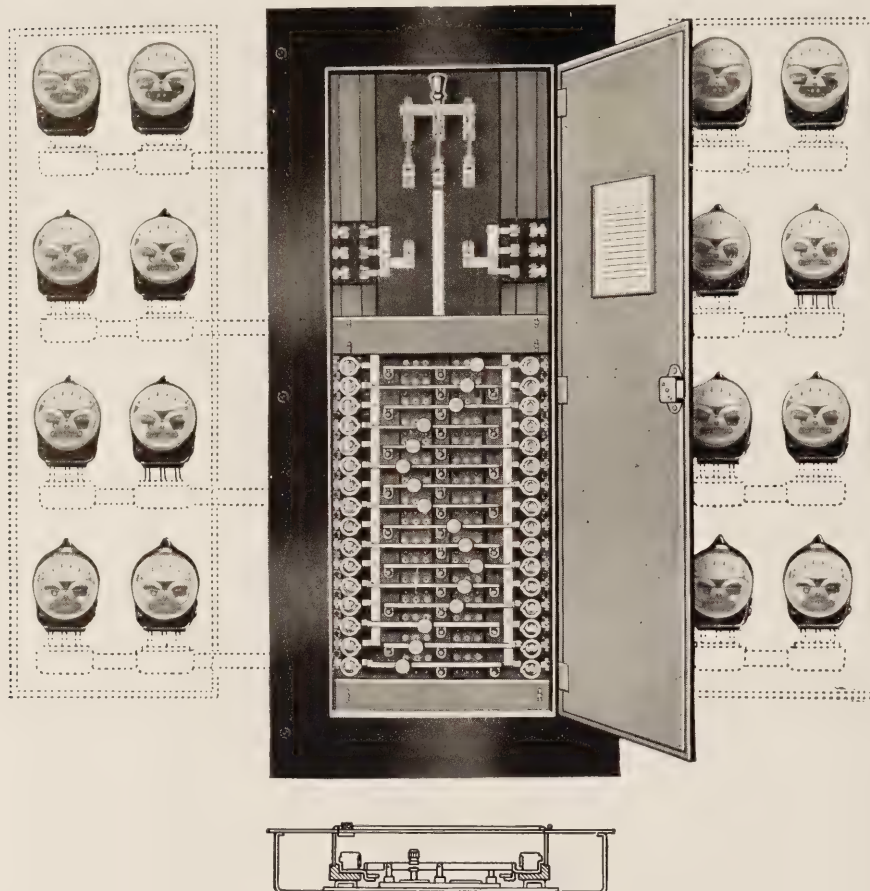
### Construction Features

- A—Fusible Main Knife Switch.
- B—Meter Protection Fuse Block with Cartridge Fuse Clips.
- C—Screw Clamp Contactor for Connecting Horizontal Branch Circuit Bus Bars and Vertical Meter Bars.
- D—Vertical Meter Bus Bars under insulating shield.
- E—Horizontal Branch Circuit Bus Bars.
- F—Branch Circuit Fuse Blocks with Edison Double-Pole Fuse Receptacles.
- G—Sectional Unit Bases mounted on Steel Panel Back.
- H—Yale Combination Latch and Lock.



# Type MSB Metering Panels with Cabinets Selector Bar Type—without Space for Meters

2 Fuse  
Branches

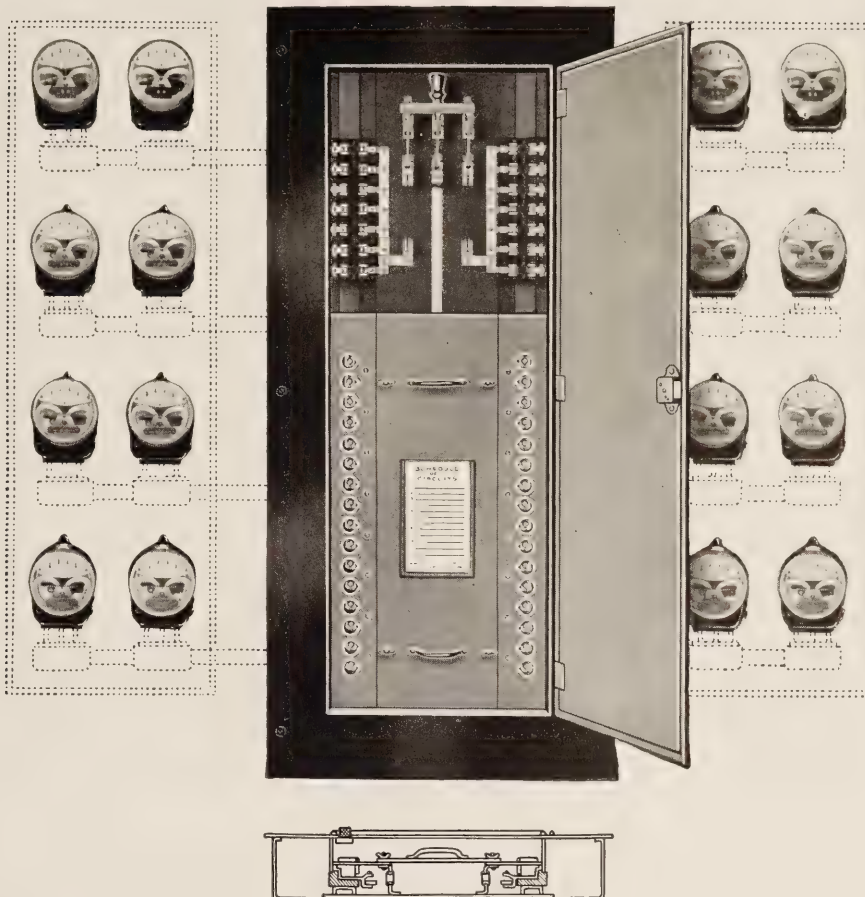


No. of Cir.	Capacity of Mains, Amps.	NUMBER OF METER BARS AND METER FUSES														Box Dimensions Inches	
		6		8		10		12		14		16		18		High Out- side	Deep In- side
		Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices		
6	60	24½	\$120.00	..	..	..	..	..	..	..	..	..	..	..	..	39	4½
8	60	24½	140.00	26	\$150.00	..	..	..	..	..	..	..	..	..	..	42	4½
10	60	24½	160.00	26	170.00	27½	\$180.00	..	..	..	..	..	..	..	..	45	4½
12	60	24½	180.00	26	190.00	27½	200.00	29	\$210.00	..	..	..	..	..	..	48	4½
14	100	24½	200.00	26	210.00	27½	220.00	29	230.00	30½	\$240.00	..	..	..	..	54	4½
16	100	24½	220.00	26	230.00	27½	240.00	29	250.00	30½	260.00	32	\$270.00	..	..	57	4½
18	100	24½	240.00	26	250.00	27½	260.00	29	270.00	30½	280.00	32	290.00	33½	\$300.00	60	4½
20	100	24½	260.00	26	270.00	27½	280.00	29	290.00	30½	300.00	32	310.00	33½	320.00	63	4½
22	100	24½	280.00	26	290.00	27½	300.00	29	310.00	30½	320.00	32	330.00	33½	340.00	66	4½
24	100	24½	300.00	26	310.00	27½	320.00	29	330.00	30½	340.00	32	350.00	33½	360.00	69	4½
26	100	24½	320.00	26	330.00	27½	340.00	29	350.00	30½	360.00	32	370.00	33½	380.00	72	4½
28	100	24½	340.00	26	350.00	27½	360.00	29	370.00	30½	380.00	32	390.00	33½	400.00	75	4½
30	100	24½	360.00	26	370.00	27½	380.00	29	390.00	30½	400.00	32	410.00	33½	420.00	78	4½
32	100	24½	380.00	26	390.00	27½	400.00	29	410.00	30½	420.00	32	430.00	33½	440.00	81	4½

NOTE—Also made in the one fuse type Prices on request.

# Type MWB Metering Panels with Cabinets

## Wire Connecting Type—without Space for Meters



**2 Fuse  
Branches**

No. of Cir.	Capacity of Mains, Amps.	No. of Meter Fuse Connections	List Prices	BOX DIMENSIONS IN INCHES			Box No.
				Wide Outside	High Outside	Deep Inside	
6	60	6	\$ 85.00	24½	39	4½	R39
8	60	8	97.00	24½	42	4½	R42
10	60	10	108.00	24½	45	4½	R45
12	60	12	130.00	24½	48	4½	R48
14	100	14	148.00	24½	54	4½	R54
16	100	14	158.00	24½	57	4½	R57
18	100	14	167.00	24½	60	4½	R60
20	100	14	177.00	24½	63	4½	R63
22	100	18	207.00	24½	66	4½	R66
24	100	18	217.00	24½	69	4½	R69
26	100	18	228.00	24½	72	4½	R72
28	100	18	238.00	24½	75	4½	R75
30	100	18	250.00	24½	78	4½	R78
32	100	18	261.00	24½	81	4½	R81

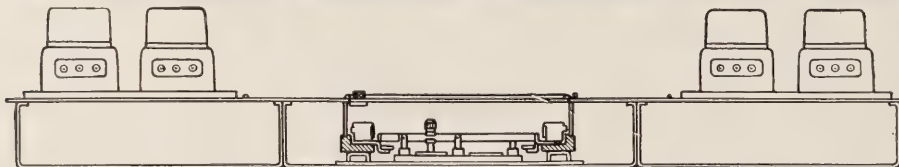
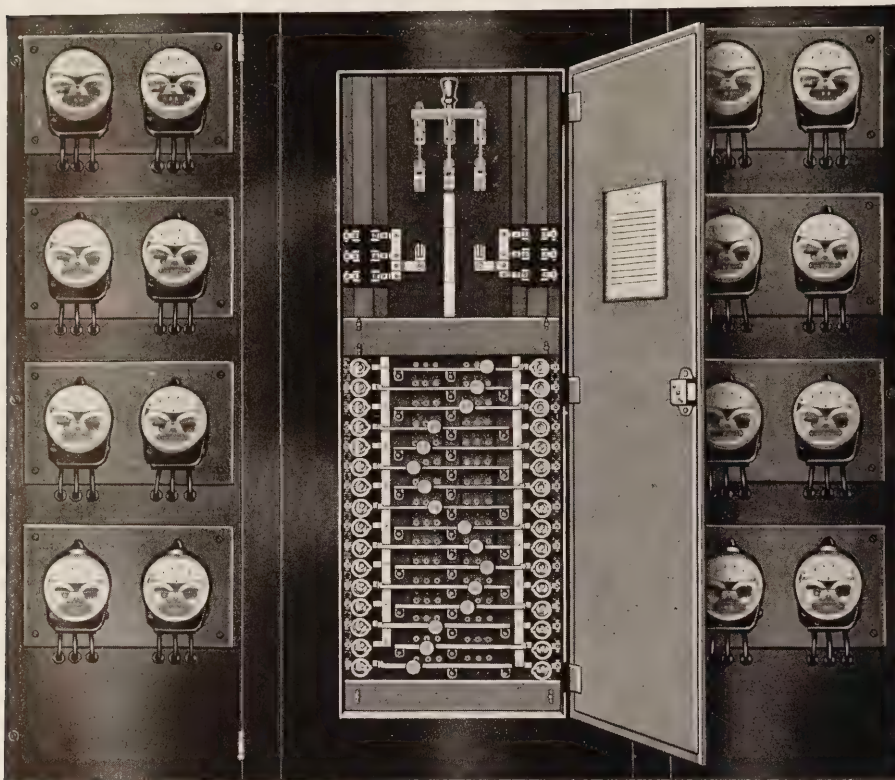
NOTE—Also made in the one fuse type. Prices on request.



# Type MST Metering Panels with Cabinets

## Selector Bar Type—Meter Space on Front

2 Fuse  
Branches

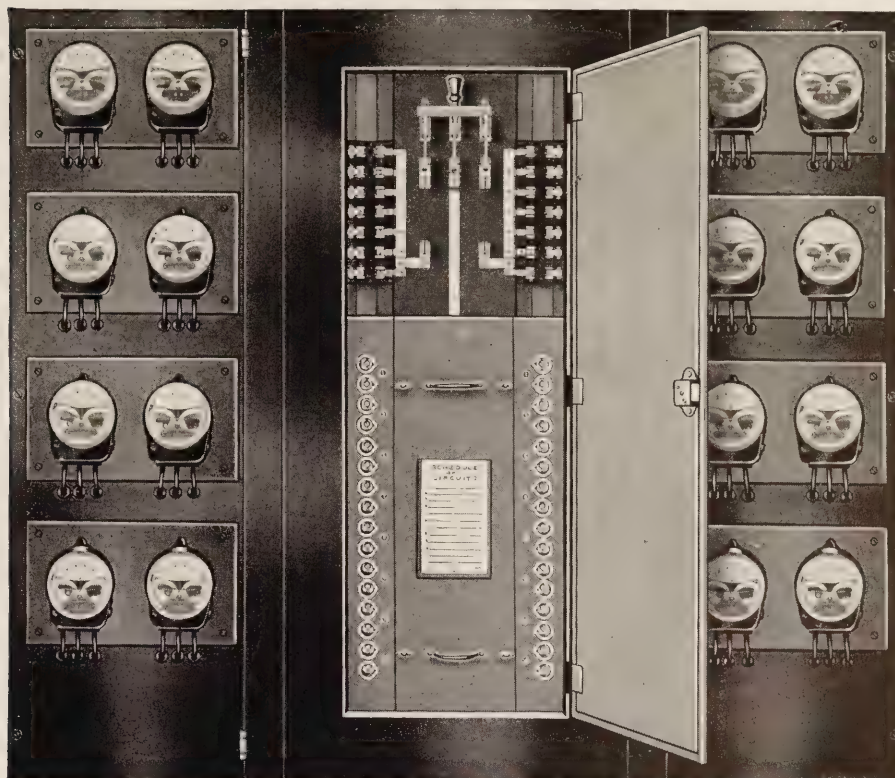


No. of Cir.	Capacity of Mains, Amps.	NUMBER OF METER FUSES, METER BARS AND METER SPACES														Box Dimensions Inches	
		6		8		10		12		14		16		18		High Out- side	Deep In- side
		Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices		
6	60	43	\$160.00	53½	\$210.00	55	\$240.00	56½	\$270.00	58	\$310.00	68½	\$390.00	70	\$420.00	39	4½
8	60	43	180.00	53½	210.00	55	240.00	56½	270.00	58	310.00	68½	390.00	70	420.00	42	4½
10	60	43	200.00	53½	230.00	55	260.00	56½	300.00	58	330.00	68½	410.00	70	440.00	45	4½
12	60	43	220.00	44½	250.00	55	290.00	56½	320.00	58	350.00	68½	430.00	70	450.00	48	4½
14	100	43	250.00	44½	270.00	55	300.00	56½	340.00	58	370.00	59½	440.00	61	470.00	54	4½
16	100	43	270.00	44½	290.00	55	320.00	56½	360.00	58	390.00	59½	460.00	61	500.00	57	4½
18	100	43	290.00	44½	310.00	46	340.00	56½	370.00	58	410.00	59½	480.00	61	530.00	60	4½
20	100	43	310.00	44½	330.00	46	360.00	56½	390.00	58	430.00	59½	500.00	61	550.00	63	4½
22	100	43	330.00	44½	350.00	46	380.00	47½	390.00	58	440.00	59½	520.00	61	570.00	66	4½
24	100	43	350.00	44½	370.00	46	400.00	47½	410.00	58	460.00	59½	540.00	61	590.00	69	4½
26	100	43	370.00	44½	390.00	46	420.00	47½	430.00	58	480.00	59½	560.00	61	610.00	72	4½
28	100	43	390.00	44½	410.00	46	440.00	47½	450.00	58	500.00	59½	580.00	61	630.00	75	4½
30	100	43	410.00	44½	430.00	46	460.00	47½	470.00	49	480.00	59½	540.00	61	550.00	78	4½
32	100	43	430.00	44½	450.00	46	460.00	47½	470.00	49	480.00	59½	540.00	61	550.00	81	4½

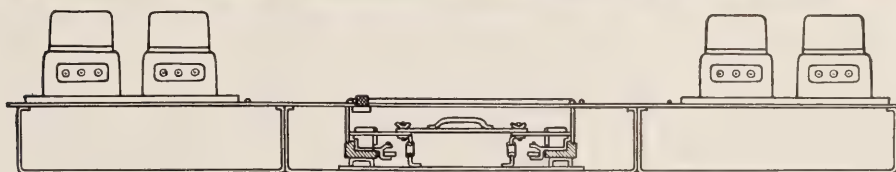
NOTE—Also made in the one fuse type. Prices on request.

# Type MWT Metering Panels With Cabinets

## Wire Connecting Type—Meter Space on Front



2 Fuse  
Branches



No. of Cir.	Capacity of Mains, Amps.	NUMBER OF METER FUSES AND METER SPACES														Box Dimensions Inches	
		6		8		10		12		14		16		18		High Out- side	Deep In- side
		Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices		
6	60	43	\$144.00	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	39	4½
8	60	43	158.00	52	\$188.00	..	.....	..	.....	..	.....	..	.....	..	.....	42	4½
10	60	43	172.00	52	202.00	52	\$206.00	..	.....	..	.....	..	.....	..	.....	45	4½
12	60	43	186.00	43	216.00	52	220.00	52	\$224.00	..	.....	..	.....	..	.....	48	4½
14	100	43	208.00	43	226.00	52	240.00	52	244.00	52	\$248.00	..	.....	..	.....	54	4½
16	100	43	222.00	43	240.00	52	254.00	52	258.00	52	262.00	61	\$308.00	..	.....	57	4½
18	100	43	236.00	43	254.00	43	258.00	52	272.00	52	276.00	61	322.00	61	\$326.00	60	4½
20	100	43	250.00	43	268.00	43	272.00	52	286.00	52	290.00	52	336.00	61	340.00	63	4½
22	100	43	264.00	43	282.00	43	286.00	52	290.00	52	304.00	52	340.00	61	344.00	66	4½
24	100	43	278.00	43	296.00	43	300.00	43	304.00	52	318.00	52	354.00	52	358.00	69	4½
26	100	43	292.00	43	310.00	43	314.00	43	320.00	52	332.00	52	368.00	52	372.00	72	4½
28	100	43	306.00	43	324.00	43	328.00	43	334.00	52	336.00	52	382.00	52	386.00	75	4½
30	100	43	320.00	43	338.00	43	342.00	43	348.00	52	350.00	52	396.00	52	400.00	78	4½
32	100	43	334.00	43	352.00	43	356.00	43	362.00	43	364.00	52	410.00	52	414.00	81	4½

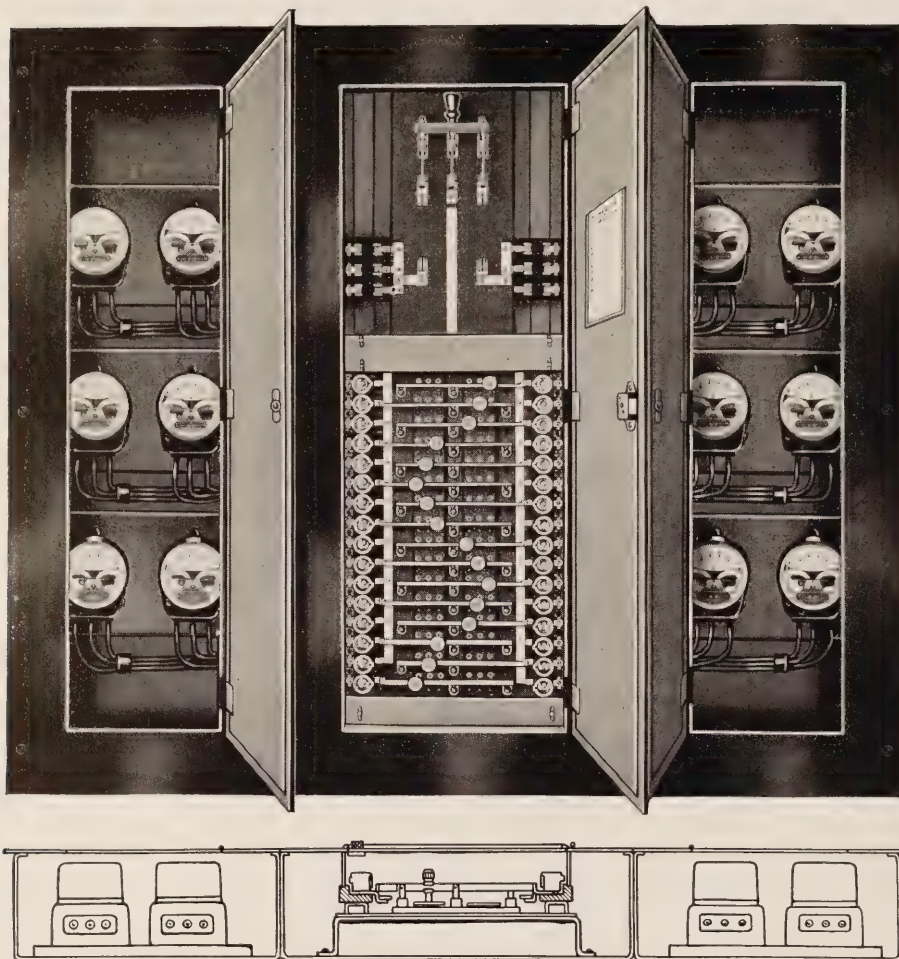
NOTE—Also made in the one fuse type. Prices on request.



# Type MSC Metering Panels with Cabinets

## Selector Bar Type—with Meter Space in Box

2 Fuse  
Branches

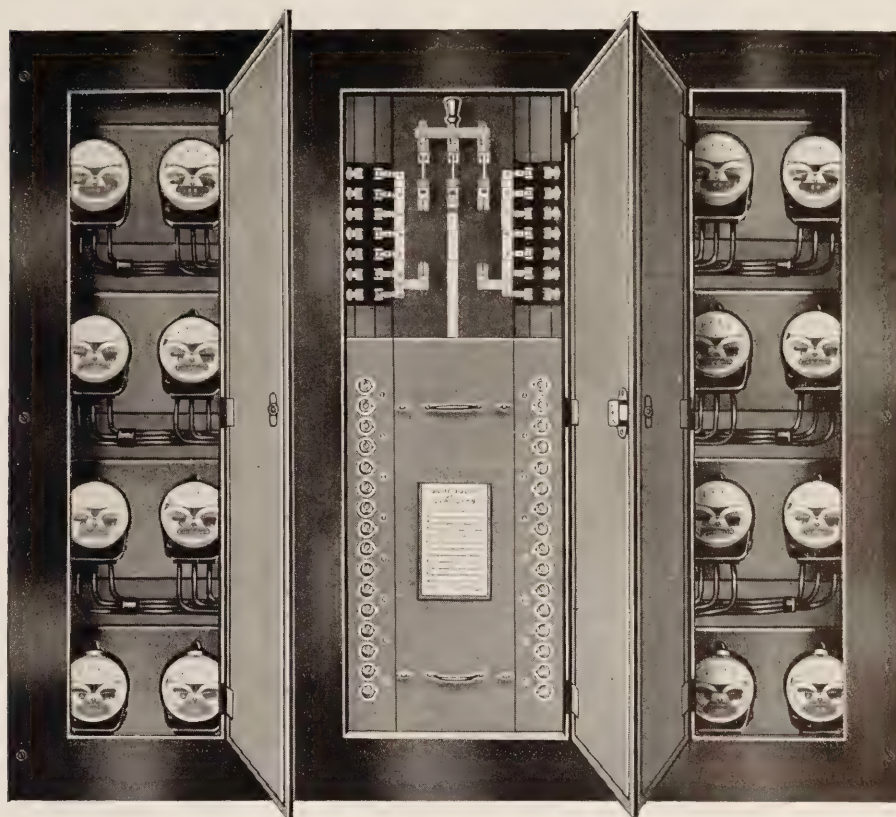


No. of Cir.	Capacity of Mains, Amps.	NUMBER OF METER FUSES, METER BARS AND METER SPACES												Box Dimensions Inches	
		6		8		10		12		14		16		18	
		Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices
6	60	43	\$170.00	53½	...	...	...	...	...	...	...	...	...	39	7
8	60	43	190.00	53½	\$220.00	...	...	...	...	...	...	...	...	42	7
10	60	43	210.00	53½	240.00	55	\$250.00	...	...	...	...	...	...	45	7
12	60	43	230.00	44½	260.00	55	270.00	56½	\$280.00	...	...	...	...	48	7
14	100	43	260.00	44½	280.00	55	300.00	56½	310.00	58	\$320.00	...	...	54	7
16	100	43	280.00	44½	300.00	55	320.00	56½	330.00	58	340.00	68½	\$400.00	57	7
18	100	43	300.00	44½	320.00	46	330.00	56½	350.00	58	360.00	68½	420.00	70	\$430.00
20	100	43	320.00	44½	340.00	46	350.00	56½	370.00	58	380.00	59½	440.00	70	450.00
22	100	43	340.00	44½	360.00	46	370.00	56½	390.00	58	400.00	59½	460.00	70	470.00
24	100	43	360.00	44½	380.00	46	390.00	47½	410.00	58	420.00	59½	480.00	61	490.00
26	100	43	380.00	44½	400.00	46	410.00	47½	420.00	58	440.00	59½	490.00	61	500.00
28	100	43	400.00	44½	420.00	46	430.00	47½	440.00	58	460.00	59½	510.00	61	520.00
30	100	43	420.00	44½	440.00	46	450.00	47½	460.00	58	480.00	59½	530.00	61	540.00
32	100	43	440.00	44½	460.00	46	470.00	47½	480.00	49	490.00	59½	550.00	61	560.00

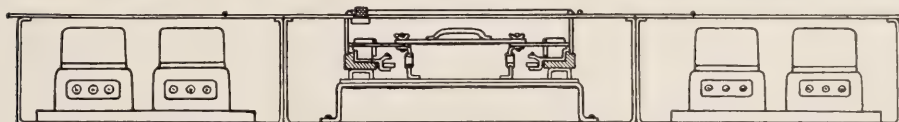
NOTE—Also made in the one fuse type. Prices on request.

# Type MWC Metering Panels With Cabinets

## Wire Connecting Type—*With Meter Space in Box*



**2 Fuse  
Branches**



No. of Cir.	Capacity of Mains, Amps.	NUMBER OF METER FUSES AND METER SPACES														Box Dimensions Inches	
		6		8		10		12		14		16		18		High Out- side	Deep In- side
		Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices	Width of Box	List Prices		
6	60	43	\$154.00	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	39	7
8	60	43	168.00	52	\$198.00	..	.....	..	.....	..	.....	..	.....	..	.....	42	7
10	60	43	182.00	52	212.00	52	\$216.00	..	.....	..	.....	..	.....	..	.....	45	7
12	60	43	196.00	43	226.00	52	230.00	52	\$234.00	..	.....	..	.....	..	.....	48	7
14	100	43	218.00	43	236.00	52	250.00	52	254.00	52	\$258.00	..	.....	..	.....	54	7
16	100	43	232.00	43	250.00	52	264.00	52	268.00	52	272.00	61	\$318.00	..	.....	57	7
18	100	43	246.00	43	264.00	43	268.00	52	282.00	52	286.00	61	332.00	61	\$336.00	60	7
20	100	43	260.00	43	278.00	43	282.00	52	296.00	52	300.00	52	346.00	61	350.00	63	7
22	100	43	274.00	43	292.00	43	296.00	52	310.00	52	314.00	52	360.00	61	364.00	66	7
24	100	43	288.00	43	306.00	43	310.00	43	324.00	52	328.00	52	374.00	52	378.00	69	7
26	100	43	302.00	43	320.00	43	324.00	43	328.00	52	342.00	52	378.00	52	382.00	72	7
28	100	43	316.00	43	334.00	43	338.00	43	342.00	52	356.00	52	392.00	52	396.00	75	7
30	100	43	330.00	43	348.00	43	352.00	43	356.00	52	370.00	52	406.00	52	410.00	78	7
32	100	43	344.00	43	362.00	43	366.00	43	370.00	43	374.00	52	420.00	52	424.00	81	7

NOTE—Also made in the one fuse type. Prices on request.



## Metering Panels and Cabinets

### Deductions and Additions

#### Main Connections

If lugs only, or fuse only, are desired in mains make following deductions from list price:

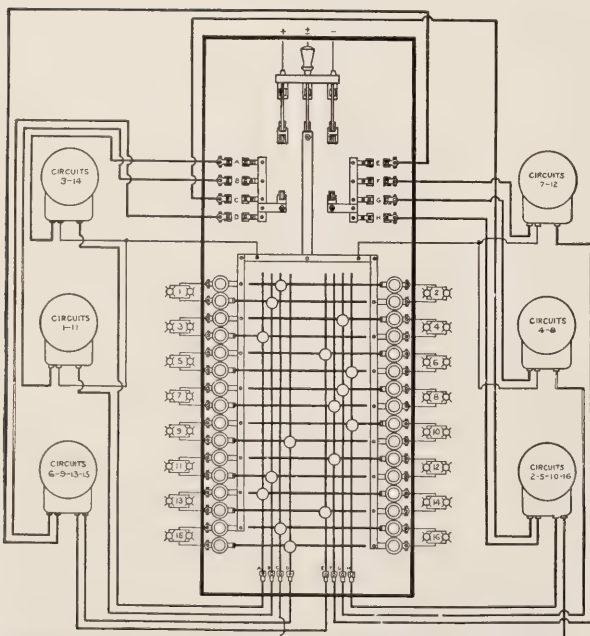
Deductions from List Price									
	30 Amp.	60 Amp.	100 Amp.	200 Amp.		30 Amp.	60 Amp.	100 Amp.	200 Amp.
Lug Only Mains.....	\$2.60	\$4.60	\$6.00	\$7.30	Fusible Only Mains...	\$2.25	\$3.90	\$4.90	\$6.00

#### Meter Fuse and Branch Circuit Connections

Additions to List Price									
TYPE	Additional Pair of Meter Fuses		Additional Pair of Meter Bars	Additional Space for 2 Meters over 18	Additional Pair of Meter Bars and Meter Space	For Each Pair of 30A S. P. Disconnecting Knife Switches	Additional Pair of Tenant Branches Over 32 Branches	Owner's Branches Per pair	With 30A Tumbler Switches in Tenant or Owner's Branches Per Pair
	30 Amp.	60 Amp.							
MWB .....	\$5.00	\$6.00	.....	.....	.....	\$2.00	\$20.00	\$20.00	\$8.00
MSB .....	.....	.....	10.00	.....	.....	2.00	30.00	30.00	8.00
MWT .....	.....	.....	.....	8.00	.....	2.00	20.00	20.00	8.00
MST .....	.....	.....	.....	.....	25.00	2.00	30.00	30.00	8.00
MWC .....	.....	.....	.....	\$8.00	.....	2.00	20.00	20.00	8.00
MSC .....	.....	.....	.....	.....	25.00	2.00	30.00	30.00	8.00

### Diagram of Connections

**For 16-Branch Circuit, 8-Meter Fuse and 8-Meter Bar, Meter Control Panel Board Installation. Four 2-Wire and Two 3-Wire Meter shown.**



In wiring buildings where metering panels are to be installed, in order to avoid difficulties in re-metering space, a separate circuit must be provided for each unit of space which may be rented separately or in combination with other units.

## SECTION VI

### Cabinets and Boxes

#### For Use As Telephone Cabinets Junction and Pull Boxes Only

In this section are shown three different types of Benjamin-Starrett Cabinets and Boxes which are designed for use as Telephone Cabinets, Junction Boxes and Pull Boxes.

These boxes are not carried in stock but will be built up according to the standard specifications shown on the following pages.

#### Index to Section VI

<i>Type A Cabinets (Box and Door) for Telephone Cabinets, Junction and Pull Boxes only.....</i>	<i>Page 62</i>
<i>Type B Cabinets (Box and Trim) for Telephone Cabinets, Junction and Pull Boxes only.....</i>	<i>Page 63</i>
<i>Box and Cover for Junction and Pull Boxes only.....</i>	<i>Page 64</i>





## Type A Cabinets (Box and Door)

### For Telephone Cabinets, Junction and Pull Boxes Only

**Construction.**—Box is formed of one piece of galvanized steel. Corners are overlapped and riveted. Has  $\frac{3}{4}$ -inch inward flange on all four edges.

Door is formed of one piece of galvanized steel the same thickness as the box. Door has flange on all four edges. Door hinges are riveted to the side of the box. Furnished with vault handle.

**Thickness of Steel.**—Boxes and doors are of Code thickness steel. For increased thickness see price schedule at bottom of page.

**Depth.**—Type "A" Cabinets are regularly furnished  $4\frac{1}{2}$  inches deep. For additional depth up to and including 12 inches, see price schedule at bottom of page.

**Drilling.**—Type "A" Cabinets are furnished without drilling for conduit unless template accompanies order.

**Finish.**—Galvanized and not painted.

### List Prices—Type A Cabinets

#### For Telephone Cabinets, Junction and Pull Boxes Only

U. S. Gauge Steel	Outside Height of Box, Inches	OUTSIDE WIDTH OF BOX, INCHES						DOUBLE DOORS, INCHES					
		6 $\frac{1}{2}$	9 $\frac{1}{2}$	12 $\frac{1}{2}$	15 $\frac{1}{2}$	22 $\frac{1}{2}$	24 $\frac{1}{2}$	26 $\frac{1}{2}$	28 $\frac{1}{2}$	31 $\frac{1}{2}$	34 $\frac{1}{2}$	37 $\frac{1}{2}$	40 $\frac{1}{2}$
16	6 $\frac{1}{2}$	\$ 8.20	\$ 8.50	\$ 8.80	\$ 9.10	\$ 9.30	\$ 9.60	\$19.80	\$20.30	\$20.90			
	10 $\frac{1}{2}$	8.50	8.80	9.20	9.60	9.90	10.30	20.50	21.10	21.80	\$22.60	\$23.50	\$24.50
	14 $\frac{1}{2}$	8.80	9.10	9.60	10.10	10.50	11.00	21.20	21.90	22.70	23.60	24.50	25.60
	17 $\frac{1}{2}$	9.10	9.40	10.00	10.60	11.10	12.80	21.90	22.70	23.60	24.60	25.70	26.90
	20 $\frac{1}{2}$	9.30	9.70	10.40	11.10	12.80	13.60	22.70	23.50	24.50	25.60	26.80	28.10
	23 $\frac{1}{2}$	9.60	10.20	10.80	12.70	13.50	14.40	23.50	24.20	25.40	26.60	27.90	29.30
14	26 $\frac{1}{2}$	11.20	12.00	12.65	13.30	14.20	15.40	24.30	25.10	26.30	27.60	29.10	33.70
	29 $\frac{1}{2}$	11.60	12.40	13.15	13.90	14.90	16.20	25.10	25.90	27.20	28.60	34.50	35.40
	32 $\frac{1}{2}$	12.00	12.80	13.65	14.50	15.60	17.00	25.90	26.70	28.10	35.00	36.00	37.10
	35 $\frac{1}{2}$	12.40	13.20	14.15	15.10	16.30	17.80	26.70	27.50	35.20	36.30	37.50	38.80
	38 $\frac{1}{2}$	12.80	13.60	14.65	15.70	17.00	18.60	27.50	35.10	36.30	37.60	39.00	44.80
	43 $\frac{1}{2}$			21.70	23.40	24.70	25.30	36.00	36.90	38.50	40.20	45.00	62.10
12	46 $\frac{1}{2}$			22.30	24.10	25.50	26.20	36.90	37.80	39.60	41.50	46.50	63.60
	49 $\frac{1}{2}$			22.90	24.80	26.30	27.10	37.80	38.70	40.70	46.90	58.00	65.10
	52 $\frac{1}{2}$			23.50	25.50	27.10	28.00	38.70	39.60	47.00	48.20	49.50	66.60
	55 $\frac{1}{2}$			24.10	26.20	27.90	28.90	39.60	46.80	48.10	49.50	51.00	68.10
	58 $\frac{1}{2}$			24.70	26.90	28.70	29.80	46.80	47.80	49.20	50.80	52.50	69.60
	61 $\frac{1}{2}$				31.50	33.30	34.80	47.80	48.80	50.30	52.10	54.00	71.10
10	64 $\frac{1}{2}$					34.20	35.80	48.80	49.80	51.40	53.40	55.50	72.60
	67 $\frac{1}{2}$						36.80	49.80	51.00	52.50	54.70	57.00	74.10
	70 $\frac{1}{2}$						37.80	51.00	53.00	54.60	57.00	59.50	75.60
	73 $\frac{1}{2}$						38.85	52.80	55.00	56.70	59.30	62.00	77.10
	76 $\frac{1}{2}$						39.90	54.60	57.00	58.80	61.60	64.50	78.60
	79 $\frac{1}{2}$						40.95	56.40	59.00	60.90	63.90	67.00	80.10
	82 $\frac{1}{2}$						42.10	58.20	61.00	63.00	66.20	69.50	81.60
	85 $\frac{1}{2}$						43.30	60.00	63.00	65.10	68.50	72.00	83.10

#### Add for Increased Depth From $4\frac{1}{2}$ Inches Deep

	TO 6 INCHES	TO 7 INCHES	TO 9 INCHES	TO 12 INCHES
16 Gauge . . . . .	\$ 1.00	\$ 1.90	\$ 3.70	\$ 6.40
14 Gauge . . . . .	1.50	2.75	5.25	9.00
12 Gauge . . . . .	2.75	4.85	9.10	15.45
10 Gauge . . . . .	4.00	6.50	11.50	19.00

#### Add for Increased Gauge

FROM	TO 14 GAUGE	TO 12 GAUGE	TO 10 GAUGE
16 Gauge . . . . .	\$1.00	\$8.75	\$9.75
14 Gauge . . . . .		8.00	9.00
12 Gauge . . . . .			2.80

## Type B Cabinets (Box and Trim)

### For Telephone Cabinets, Junction and Pull Boxes Only

**Construction.**—Box is formed of one piece of galvanized steel. Corners are overlapped and riveted. Has  $\frac{3}{4}$ -inch inward flange on all four edges which is drilled for attachment of front.

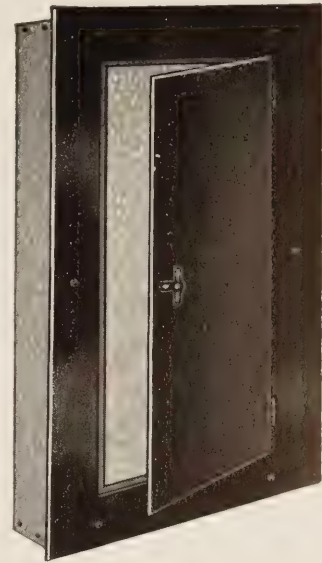
Trim is made of one piece of sheet steel, overlapping box 1 inch on all four sides. The door is cut out, leaving a 3-inch mat all around. Door is equipped with vault handle only.

**Thickness of Steel.**—Boxes and trim are of Code thickness steel. For increased thickness see price schedule at bottom of page.

**Depth.**—Type B Cabinets are  $4\frac{1}{2}$  inches deep. For additional depth up to and including 12 inches see price schedule at bottom of page.

**Drilling.**—Type B Cabinets are furnished without drilling for conduit unless template accompanies order.

**Finish.**—Boxes are galvanized steel—unpainted. Trims are painted dead black.



### List Prices—Type B Cabinets For Telephone Cabinets, Junction and Pull Boxes Only

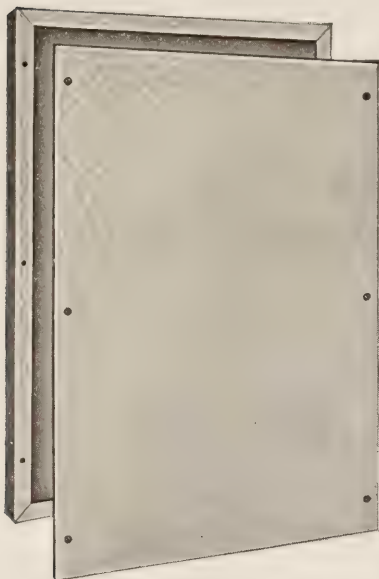
U. S. Gauge Steel	Outside Height of Box, Inches	OUTSIDE WIDTH OF BOX, INCHES									DOUBLE DOORS, INCHES		
		6 $\frac{1}{2}$	9 $\frac{1}{2}$	12 $\frac{1}{2}$	15 $\frac{1}{2}$	22 $\frac{1}{2}$	24 $\frac{1}{2}$	26 $\frac{1}{2}$	28 $\frac{1}{2}$	31 $\frac{1}{2}$	34 $\frac{1}{2}$	37 $\frac{1}{2}$	40 $\frac{1}{2}$
16	6 $\frac{1}{2}$		\$ 9.40	\$19.80	\$20.30	\$20.80	\$21.00	\$22.90					
	10 $\frac{1}{2}$		9.80	20.20	20.80	21.20	21.50	23.70	\$24.30	\$24.80	\$53.35	\$54.60	\$56.05
	14 $\frac{1}{2}$		10.20	20.70	21.30	21.80	22.00	24.50	25.30	25.90	55.55	57.00	58.65
	17 $\frac{1}{2}$		10.70	21.20	21.80	22.30	25.30	25.90	26.30	27.00	57.85	59.50	61.35
	20 $\frac{1}{2}$		11.20	21.70	22.30	25.30	25.90	26.70	27.30	28.00	60.25	62.10	64.15
	23 $\frac{1}{2}$		11.70	22.20	25.30	26.00	26.70	27.50	28.30	29.00	62.75	64.80	67.05
14	26 $\frac{1}{2}$		23.70	25.20	25.90	26.80	27.80	28.40	29.30	30.10	65.35	67.60	74.40
	29 $\frac{1}{2}$		24.20	25.80	26.50	27.60	28.60	29.40	30.30	31.20	68.05	74.75	77.40
	32 $\frac{1}{2}$		24.70	26.40	27.10	28.40	29.40	30.40	31.30	32.30	75.10	77.75	80.50
	35 $\frac{1}{2}$		25.20	27.10	28.00	29.20	30.20	31.40	32.30	33.30	78.10	80.85	83.70
	38 $\frac{1}{2}$		25.70	27.90	29.00	30.00	31.00	32.40	33.40	40.70	81.20	84.05	90.70
12	43 $\frac{1}{2}$			34.80	36.20	37.70	39.10	40.70	42.10	43.50	87.70	100.05	116.65
	46 $\frac{1}{2}$			35.50	38.30	38.50	40.10	41.60	43.20	44.80	91.10	102.92	120.05
	49 $\frac{1}{2}$				39.00	39.40	41.10	42.50	44.30	46.10	102.35	105.85	123.50
	52 $\frac{1}{2}$				39.90	40.30	42.00	43.40	45.40	52.20	105.30	108.90	126.90
	55 $\frac{1}{2}$				40.80	41.20	43.00	44.30	52.20	53.70	108.35	112.05	130.30
	58 $\frac{1}{2}$				52.00	52.50	54.20	56.50	61.20	65.20	111.60	115.40	133.75
10	61 $\frac{1}{2}$				55.10	57.20	59.70	62.30	64.60	67.00	115.05	118.95	140.50
	64 $\frac{1}{2}$					58.90	61.20	69.10	71.60	74.80	121.85	125.85	145.35
	67 $\frac{1}{2}$						67.40	70.40	73.00	75.60	129.95	134.05	150.20
	70 $\frac{1}{2}$						68.90	71.90	74.20	77.20	135.90	140.10	155.10
	73 $\frac{1}{2}$						70.30	72.95	75.70	78.70	141.85	146.15	161.25
	76 $\frac{1}{2}$						71.80	74.00	77.20	80.20	147.80	152.20	167.40
	79 $\frac{1}{2}$						73.30	75.50	78.70	81.70	153.75	158.25	173.55
	82 $\frac{1}{2}$						74.80	77.00	80.20	83.20	159.70	164.30	179.70
	85 $\frac{1}{2}$						76.30	78.50	81.70	84.70	165.65	170.25	185.85

Add for Increased Depth From $4\frac{1}{2}$ Inches Deep					Add for Increased Gauge			
	TO 6 INCHES	TO 7 INCHES	TO 9 INCHES	TO 12 INCHES	FROM	TO 14 GAUGE	TO 12 GAUGE	TO 10 GAUGE
16 Gauge . . . . .	\$ 1.00	\$ 1.90	\$ 3.70	\$ 6.40	16 Gauge . . . . .	\$1.00	\$8.75	\$9.75
14 Gauge . . . . .	1.50	2.75	5.25	9.00	14 Gauge . . . . .		8.00	9.00
12 Gauge . . . . .	2.75	4.85	9.10	15.45	12 Gauge . . . . .			2.80
10 Gauge . . . . .	4.00	6.50	11.50	19.00				



## Box and Cover

### For Junction and Pull Boxes Only



#### Construction

Box is formed of one piece of galvanized steel. Has  $\frac{3}{4}$ -inch inward flange on all four edges which is drilled for attachment of cover.

Cover is made of one piece of galvanized steel, the same thickness as the box. Cover is fitted with machine screws for fastening to box.

#### Thickness of Steel

Boxes and covers are of Code thickness steel. For increased thickness see price schedule at bottom of page.

#### Depth

Boxes are  $4\frac{1}{2}$  inches deep. For additional depth up to and including 12 inches see price schedule at bottom of page.

#### Drilling

Boxes are furnished without drilling for conduit unless template accompanies order.

#### Finish

Galvanized—unpainted.

### List Prices—Box and Cover

#### For Junction and Pull Boxes Only

U. S. Gauge Steel	Outside Height of Box, Inches	OUTSIDE WIDTH OF BOX, INCHES											
		6 $\frac{1}{2}$	9 $\frac{1}{2}$	12 $\frac{1}{2}$	15 $\frac{1}{2}$	22 $\frac{1}{2}$	24 $\frac{1}{2}$	26 $\frac{1}{2}$	28 $\frac{1}{2}$	31 $\frac{1}{2}$	34 $\frac{1}{2}$	37 $\frac{1}{2}$	40 $\frac{1}{2}$
16	6 $\frac{1}{2}$	\$ 6.30	\$ 6.70	\$ 7.00	\$ 7.40	\$ 7.80	\$ 8.10	\$ 9.90	\$10.30	\$10.60	.....	.....	.....
	10 $\frac{1}{2}$	6.60	7.10	7.40	7.90	8.30	8.70	10.40	10.90	11.20	\$11.70	\$12.30	\$12.80
	14 $\frac{1}{2}$	6.90	7.50	7.80	8.40	8.80	9.30	10.90	11.50	11.80	12.40	13.00	13.70
	17 $\frac{1}{2}$	7.20	7.90	8.20	8.90	9.30	11.00	11.70	12.10	12.50	13.20	13.80	14.10
	20 $\frac{1}{2}$	7.50	8.30	8.60	9.40	11.20	11.70	12.30	12.70	13.20	13.90	14.40	15.00
	23 $\frac{1}{2}$	8.10	8.70	9.00	11.30	11.80	12.40	12.90	13.30	13.90	14.70	15.40	16.00
14	26 $\frac{1}{2}$	9.90	10.40	10.80	11.80	12.40	13.10	13.60	14.00	14.60	15.50	16.20	23.20
	29 $\frac{1}{2}$	10.20	10.80	11.30	12.30	13.00	13.80	14.30	14.70	15.30	16.30	23.50	24.30
	32 $\frac{1}{2}$	10.50	11.20	11.80	12.80	13.60	14.50	15.00	15.40	16.00	23.90	24.70	25.50
	35 $\frac{1}{2}$	10.90	11.60	12.30	13.30	14.20	15.20	15.70	16.10	23.10	24.10	25.90	26.70
	38 $\frac{1}{2}$	11.30	12.00	12.80	13.80	14.80	15.90	16.40	23.40	24.80	25.80	26.60	29.50
12	43 $\frac{1}{2}$	.....	.....	18.90	19.90	21.20	22.50	23.30	24.80	26.20	27.20	30.50	45.75
	46 $\frac{1}{2}$	.....	.....	19.50	20.50	21.90	23.20	24.10	25.50	26.90	27.90	31.20	46.80
	49 $\frac{1}{2}$	.....	.....	20.10	21.10	22.60	23.90	24.90	26.20	27.60	30.50	31.90	47.85
	52 $\frac{1}{2}$	.....	.....	20.70	22.20	23.30	24.60	25.70	26.90	29.80	31.20	32.60	48.90
	55 $\frac{1}{2}$	.....	.....	21.30	22.80	24.00	25.30	26.50	29.30	30.50	31.90	33.30	49.95
	58 $\frac{1}{2}$	.....	.....	21.90	23.40	24.70	26.00	27.90	30.00	31.20	32.60	34.00	51.00
10	61 $\frac{1}{2}$	.....	.....	.....	25.40	26.00	27.90	28.80	30.70	31.90	33.40	34.80	52.20
	64 $\frac{1}{2}$	.....	.....	.....	.....	26.90	28.70	29.70	31.40	32.60	34.00	35.40	53.10
	67 $\frac{1}{2}$	.....	.....	.....	.....	.....	29.50	30.60	32.60	34.20	35.60	37.00	55.50
	70 $\frac{1}{2}$	.....	.....	.....	.....	.....	30.30	31.50	33.40	35.00	36.40	37.80	56.70

#### Add for Increased Depth From 4 $\frac{1}{2}$ Inches Deep

	TO 6 INCHES	TO 7 INCHES	TO 9 INCHES	TO 12 INCHES
16 Gauge.....	\$ 1.00	\$ 1.90	\$ 3.70	\$ 6.40
14 Gauge.....	1.50	2.75	5.25	9.00
12 Gauge.....	2.75	4.85	9.10	15.45
10 Gauge.....	4.00	6.50	11.50	19.00

#### Add for Increased Gauge

	TO 14 GAUGE	TO 12 GAUGE	TO 10 GAUGE
16 Gauge.....	\$1.00	\$8.75	\$9.75
14 Gauge.....	.....	8.00	9.00
12 Gauge.....	.....	.....	2.80

## SECTION VII

## Distribution Panelboards and Cabinets Switchboards

Illustrated in this section are a few of the many types of special distribution panels and cabinets that have been built to meet the requirements of our customers. Special panels will be built for any capacity or number of circuits, or for any voltage; all in accordance with specifications and requirements submitted to us.

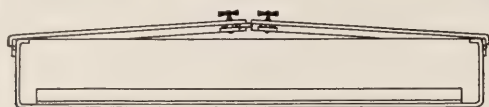
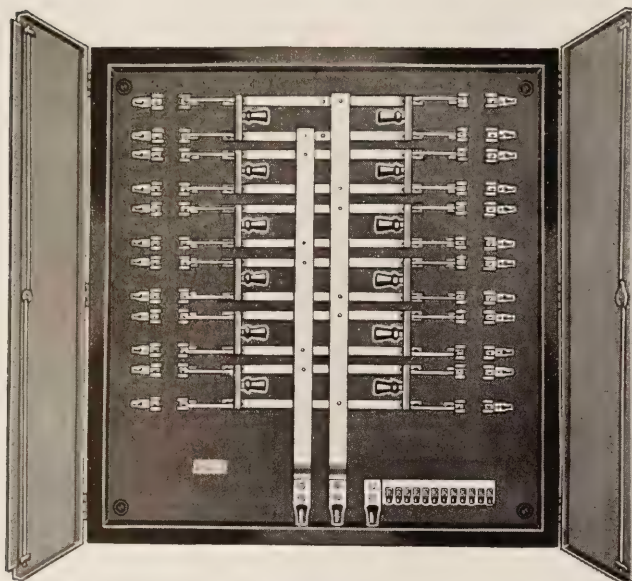
The Benjamin-Starrett organization is also prepared to build switchboards in either Live Front or Dead Front Types to meet any specifications submitted by our customers.

Estimates will be gladly furnished on your special panelboard and switchboard requirements.





## Distribution Panelboards and Cabinets



Cross Section of Type "A" Cabinet.

### Live Front Panel with Type "A" Cabinet

Illustrated is a lighting distribution panel having main lugs only and fusible knife switch branches. Panel is arranged for solid neutral connections.

### Type "A" Cabinet

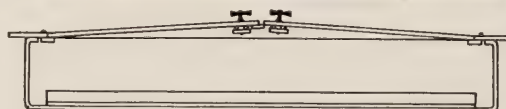
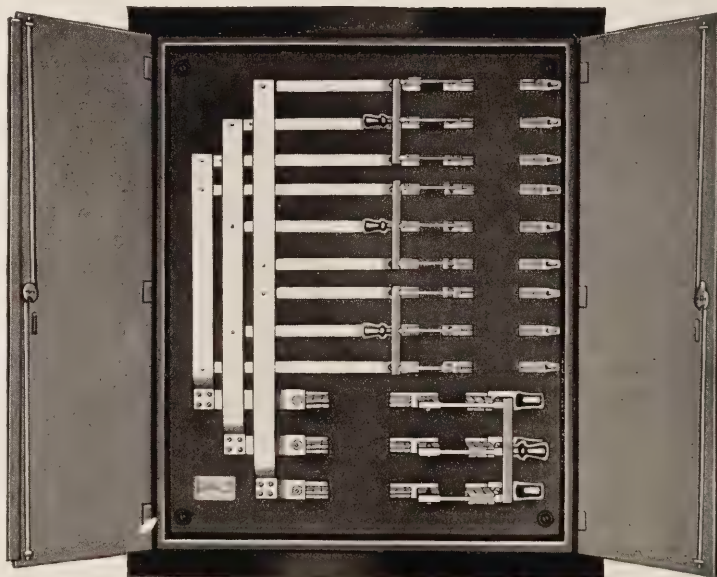
This panel is mounted in a Type "A" Code Gauge Steel Cabinet, which is designed for surface mounting where all wires are brought in directly opposite the circuit to which they are to be connected.

### Live Front Panel with Type "B" Cabinet

To the right is shown a power distribution panel having fusible main knife and fusible knife switch branches.

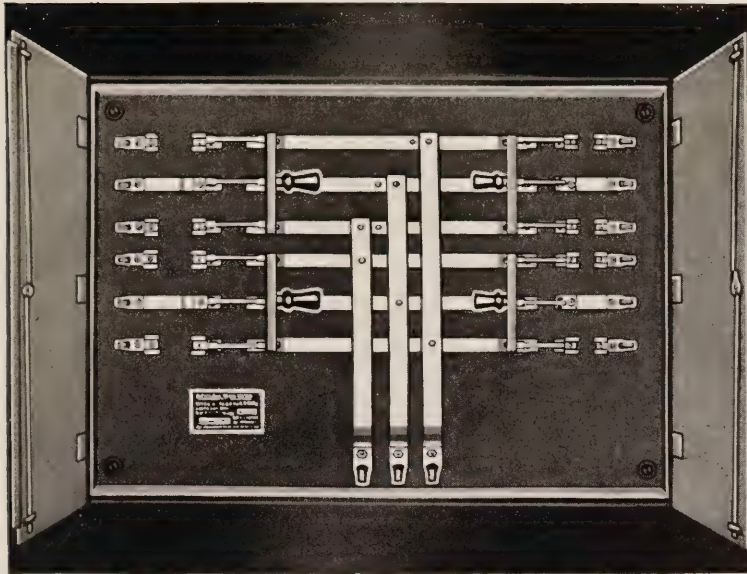
### Type "B" Cabinet

This panel is mounted in a Type "B" Code Gauge Steel Cabinet, which is designed for flush mounting where all wires are brought in directly opposite the circuit to which they are to be connected.



Cross Section of Type "B" Cabinet.

## Distribution Panelboards and Cabinets



### Live Front Panel with Type "C" Cabinet

At the left is illustrated a lighting distribution panel having main lugs only and fusible knife switch branches.

### Type "C" Cabinet

This panel is mounted in a Type "C" Code Gauge Steel Cabinet which is arranged for surface mounting. Cabinet has wiring gutters on all four sides, thus permitting the entrance of feeder and branch circuit wires wherever convenient.



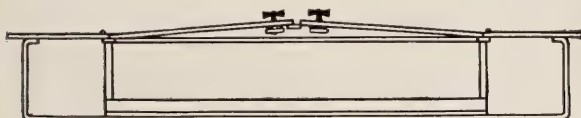
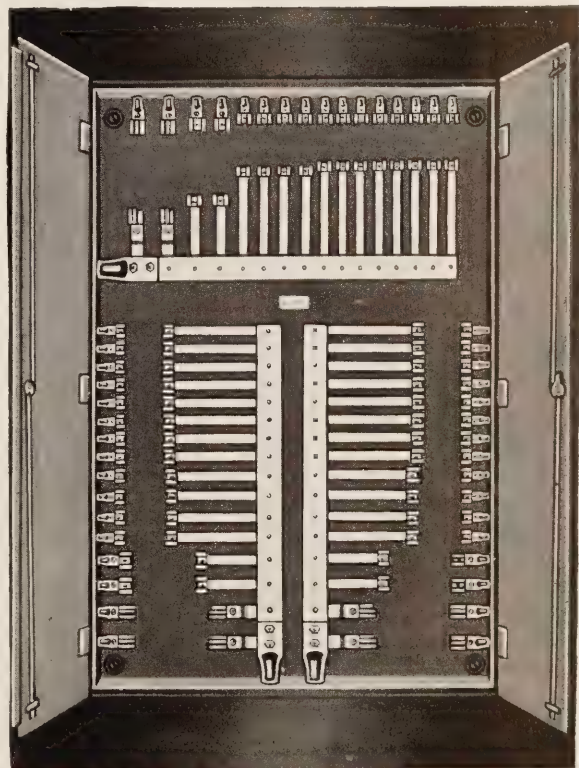
Cross Section Type "C" Cabinet

### Live Front Panel with Type "D" Cabinet

At the right is shown a polarity type distribution panel with main lugs only and with fuse only connections in the branches. This type of panel is recommended where amount of space in which panel is to be installed is limited.

### Type "D" Cabinet

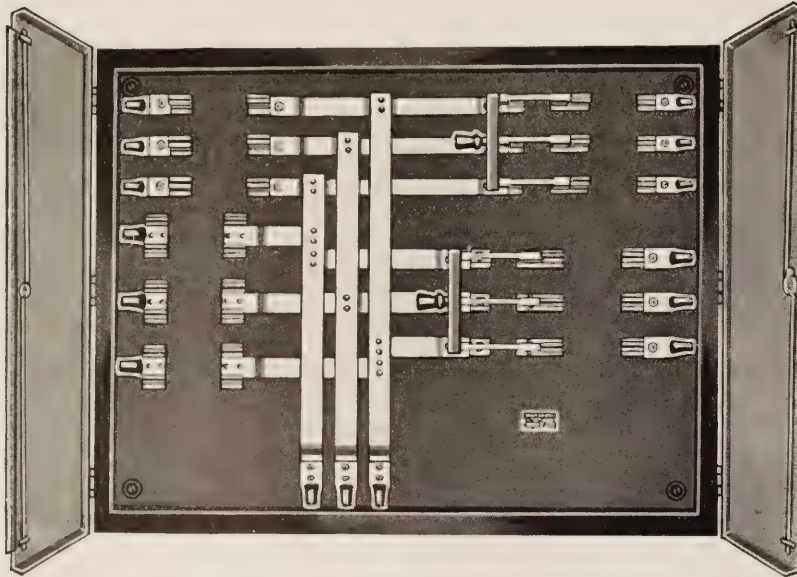
This panel is shown mounted in a Type "D" Code Gauge Steel Cabinet arranged for flush mounting. Cabinet has wiring gutters on all four sides.



Cross Section Type "D" Cabinet



## Distribution Panelboards and Cabinets

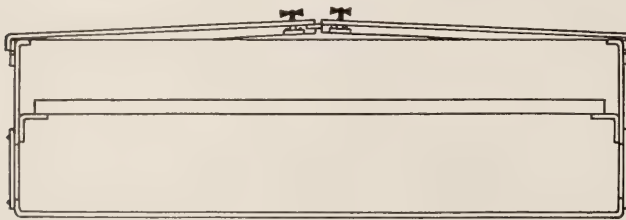


### Live Front Panel with Type "G" Cabinet

At left is shown a special distribution panel on which are mounted two types of branch circuit equipment.

#### Type "G" Cabinet

This panel is mounted in Type "G" Cabinet of Code Gauge Steel which is arranged for surface installation. This type of cabinet has wiring space between back of panel and box. Removable plates are provided on both sides of cabinet to permit easy access to connections on back of panel.



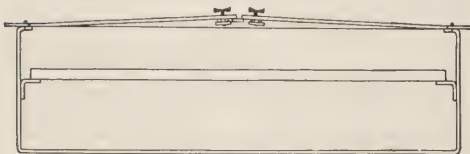
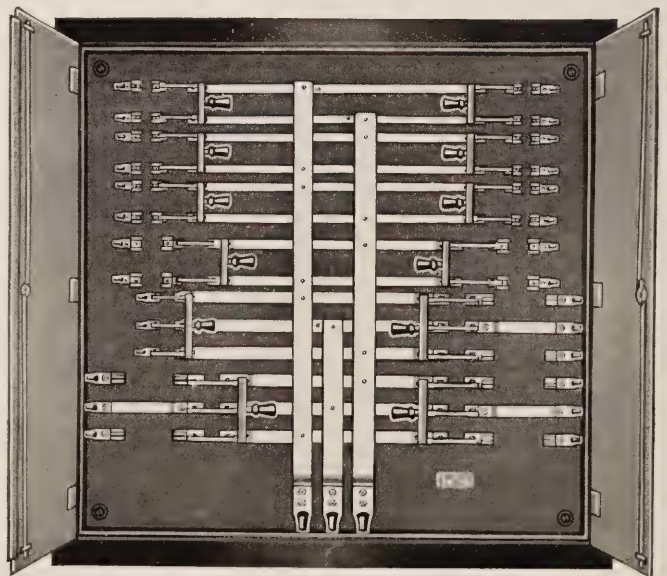
Cross Section of Type "G" Cabinet.

### Live Front Panel with Type "H" Cabinet

At right is illustrated a special combination distribution panel for power and light.

#### Type "H" Cabinet

This panel is mounted in a Type "H" Cabinet of Code Gauge Steel which is arranged for flush installations. This type of cabinet has wiring space between back of panel and box. Connections are on back of panel.



Cross Section of Type "H" Cabinet.

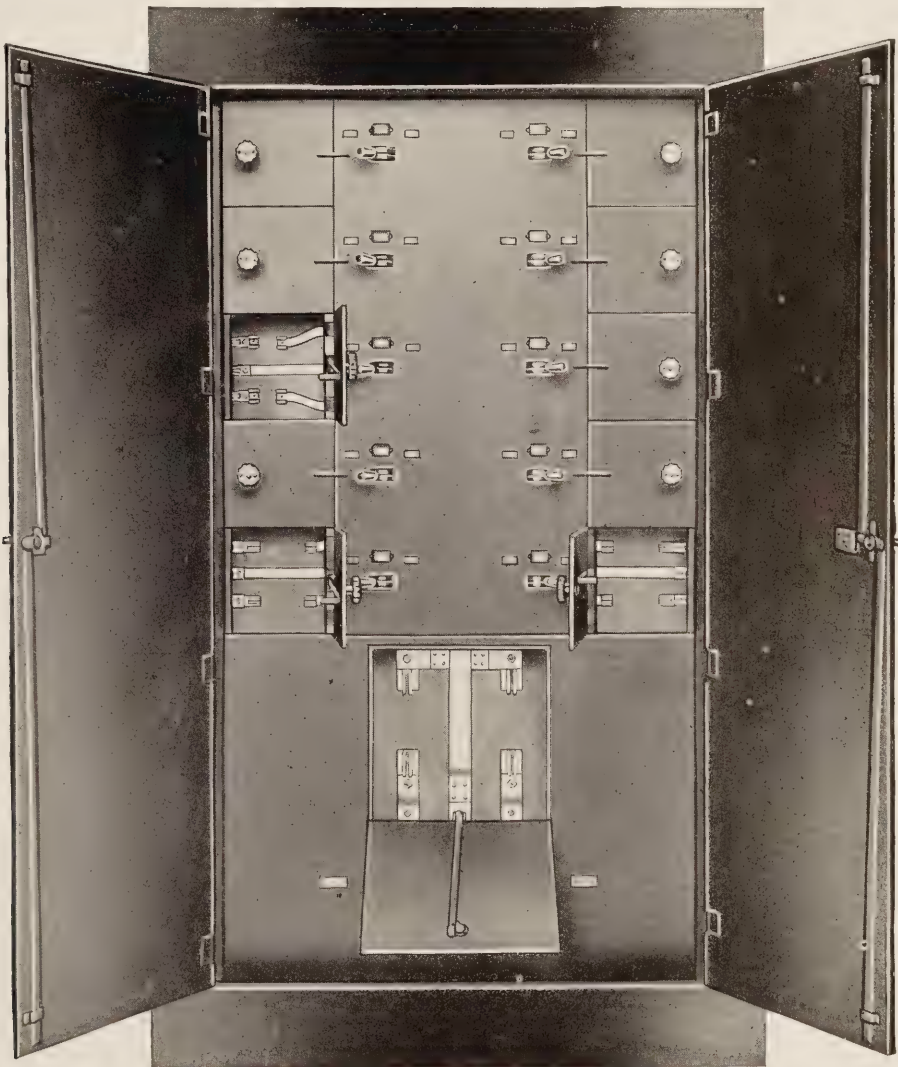
## Distribution Panelboards and Cabinets

### *Interlocking Safety Front Panelboard*

The Benjamin-Starrett Interlocking Safety Type Distribution Panelboard, illustrated below, offers the advantage of perfect safety to the operator at all times. Switches are of the laminated brush contact type. Over each set of branch circuit fuses is an individual door equipped with an Interlocking Mechanism. This mechanism prevents opening of the door when switch is in "On" position, as well as operation of the switch when door is open.

#### Type "C" Cabinet

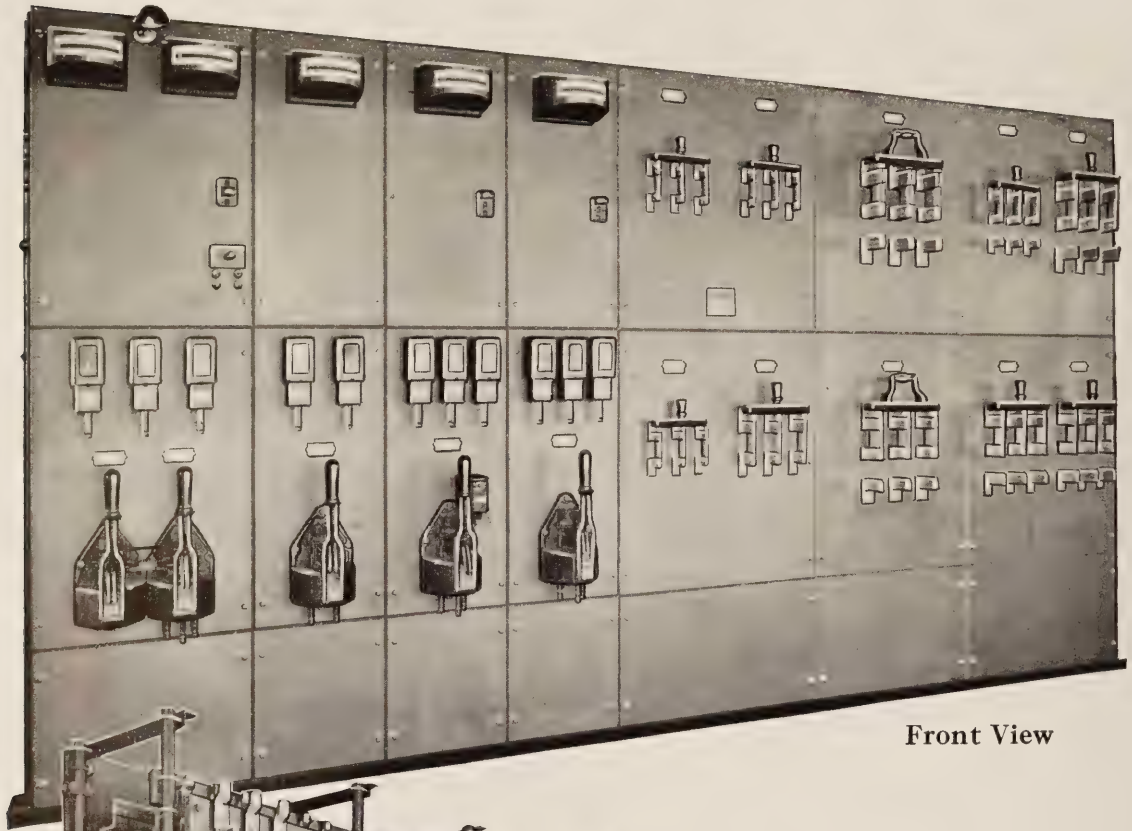
Panel is shown mounted in a Type "C" Code Gauge Steel Cabinet. This Cabinet has wiring gutters on all four sides.



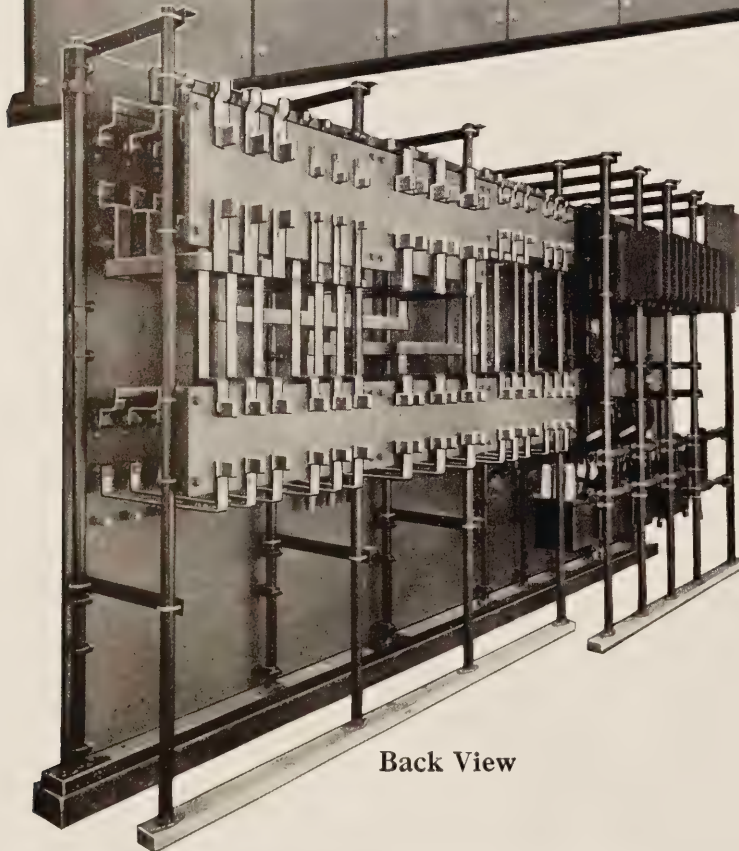
Front View of Interlocking Safety Front Type Panelboard,  
with Cabinet. Three Fuse Compartment doors opened.



## Benjamin-Starrett Switchboards



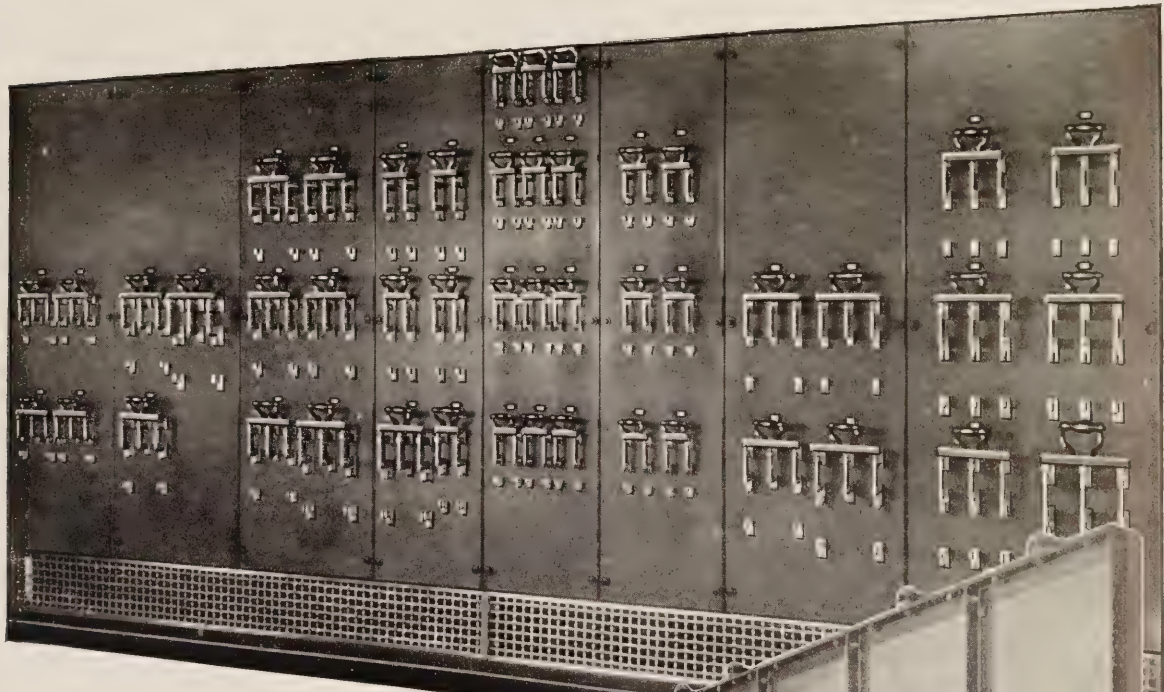
Front View



Back View

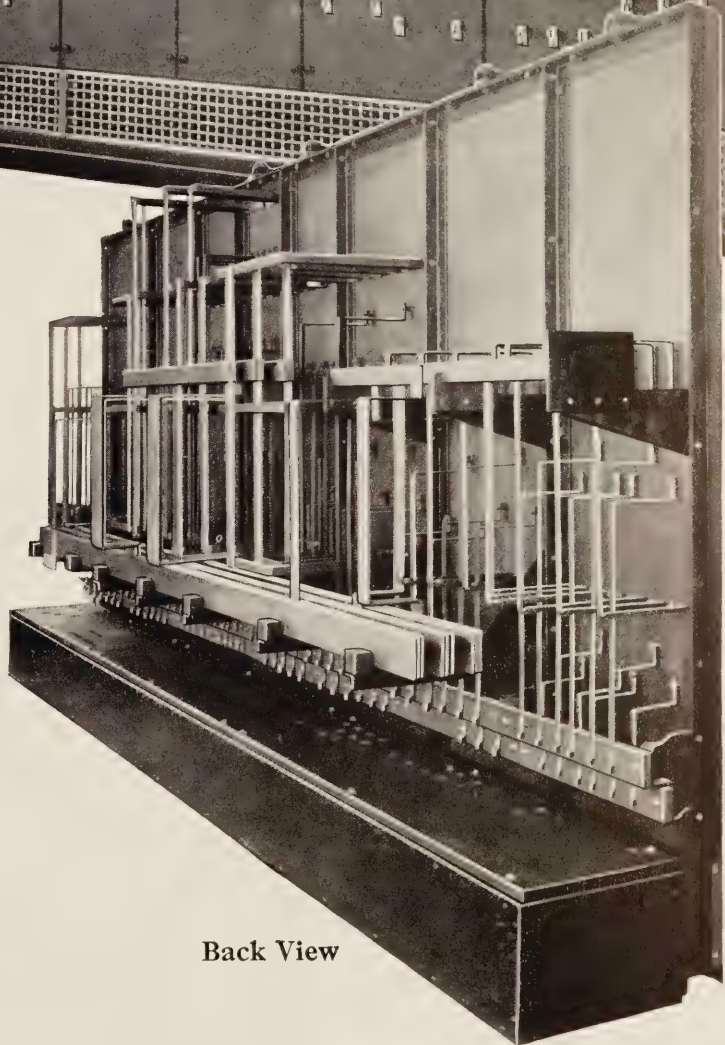
This is one of the many switchboards built by the Benjamin-Starrett organization according to specifications and requirements of customers. Illustration shows combination primary and secondary switchboard for large hospital building. On this particular board the fuses are mounted on the rear and are accessible only to the authorized maintenance man.

## Benjamin-Starrett Switchboards



Front View

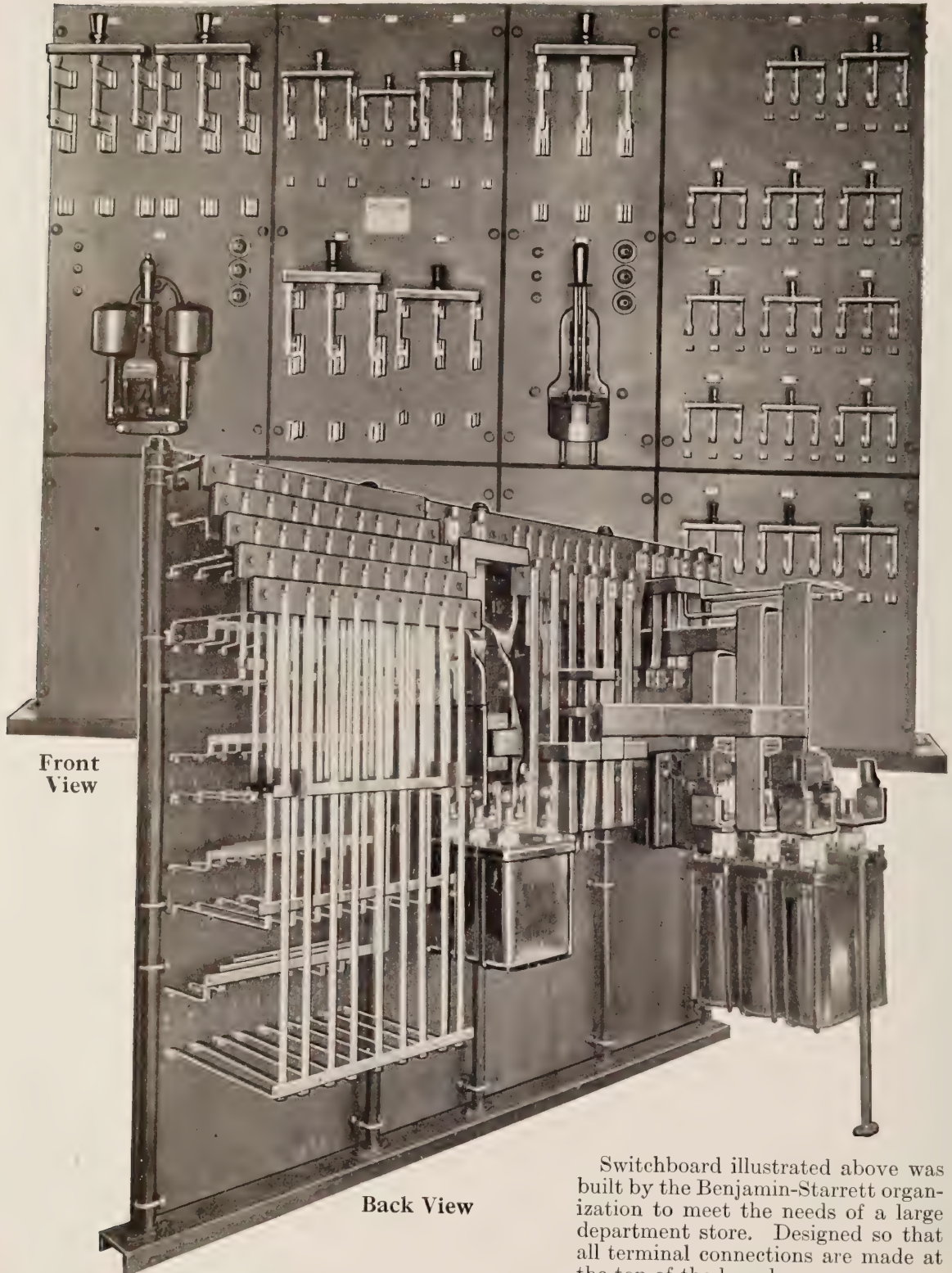
Another style of switchboard designed and built by the Benjamin-Starrett organization for a large bank and office building. All terminals on this board are brought to the bottom by means of bus bars. Terminal rack and pull box with slate cover are provided at bottom as shown.



Back View



## Benjamin-Starrett Switchboards



Switchboard illustrated above was built by the Benjamin-Starrett organization to meet the needs of a large department store. Designed so that all terminal connections are made at the top of the board.

# SECTION VIII

## Numerical Index

Page	Catalog No.	List Price	Page	Catalog No.	List Price	Page	Catalog No.	List Price	Page	Catalog No.	List Price	Page	Catalog No.	List Price
46	R-18	\$ 7.60	20	52140	\$156.00	20	52540	\$236.00	21	52940	\$156.00	21	53340	\$236.00
46	R-21	7.90	20	52144	172.00	20	52544	248.00	21	52944	172.00	21	53344	248.00
46	R-24	8.20	20	52148	182.00	20	52548	260.00	21	52948	182.00	21	53348	260.00
46	R-27	8.60	20	52152	192.00	20	52552	272.00	21	52952	192.00	21	53352	272.00
46	R-30	8.90	20	52156	206.00	20	52556	286.00	21	52956	206.00	21	53356	286.00
46	R-33	9.30	20	52160	222.00	20	52560	302.00	21	52960	222.00	21	53360	302.00
46	R-36	9.70	20	52204	62.00	20	52604	76.00	21	53004	62.00	21	53404	76.00
46	R-39	10.00	20	52208	74.00	20	52608	93.00	21	53008	74.00	21	53408	93.00
46	R-42	16.80	20	52212	86.00	20	52612	105.00	21	53012	86.00	21	53412	105.00
46	R-45	17.20	20	52216	102.00	20	52616	130.00	21	53016	102.00	21	53416	130.00
46	R-48	17.70	20	52220	114.00	20	52620	142.00	21	53020	114.00	21	53420	142.00
46	R-51	18.10	20	52224	126.00	20	52624	154.00	21	53024	126.00	21	53424	154.00
46	R-54	18.60	20	52228	138.00	20	52628	166.00	21	53028	138.00	21	53428	166.00
46	R-57	19.00	20	52232	150.00	20	52632	186.00	21	53032	150.00	21	53432	186.00
46	R-60	19.70	20	52236	172.00	20	52636	219.00	21	53036	172.00	21	53436	219.00
46	R-63	28.50	20	52240	184.00	20	52640	233.00	21	53040	184.00	21	53440	233.00
46	R-66	29.10	20	52244	204.00	20	52644	245.00	21	53044	204.00	21	53444	245.00
46	R-69	29.60	20	52248	216.00	20	52648	257.00	21	53048	216.00	21	53448	257.00
46	R-72	30.10	20	52252	228.00	20	52652	269.00	21	53052	228.00	21	53452	269.00
46	R-75	30.70	20	52256	240.00	20	52656	283.00	21	53056	240.00	21	53456	283.00
46	R-78	31.30	20	52260	252.00	20	52660	299.00	21	53060	252.00	21	53460	299.00
46	R-81	31.80	20	52304	62.00	20	52704	76.00	21	53104	62.00	21	53504	76.00
46	V-42	17.40	20	52308	74.00	20	52708	93.00	21	53108	74.00	21	53508	93.00
46	V-45	17.80	20	52312	86.00	20	52712	105.00	21	53112	86.00	21	53512	105.00
46	V-48	18.30	20	52316	102.00	20	52716	130.00	21	53116	102.00	21	53516	130.00
46	V-51	18.80	20	52320	114.00	20	52720	142.00	21	53120	114.00	21	53520	142.00
46	V-54	19.20	20	52324	126.00	20	52724	154.00	21	53124	126.00	21	53524	154.00
46	V-57	19.70	20	52328	138.00	20	52728	166.00	21	53128	138.00	21	53528	166.00
46	V-60	20.40	20	52332	150.00	20	52732	186.00	21	53132	150.00	21	53532	186.00
46	V-63	29.40	20	52336	172.00	20	52736	219.00	21	53136	172.00	21	53536	219.00
46	V-66	30.00	20	52340	184.00	20	52740	233.00	21	53140	184.00	21	53540	233.00
46	V-69	30.60	20	52344	204.00	20	52744	245.00	21	53144	204.00	21	53544	245.00
46	V-72	31.10	20	52348	216.00	20	52748	257.00	21	53148	216.00	21	53548	257.00
46	V-75	31.70	20	52352	228.00	20	52752	269.00	21	53152	228.00	21	53552	269.00
46	V-78	32.30	20	52356	240.00	20	52756	283.00	21	53156	240.00	21	53556	283.00
46	V-81	32.90	20	52360	252.00	20	52760	299.00	21	53160	252.00	21	53560	299.00
20	52004	50.00	20	52404	80.00	21	52804	50.00	21	53204	80.00	22	53608	46.00
20	52008	60.00	20	52408	96.00	21	52808	60.00	21	53208	96.00	22	53616	56.00
20	52012	70.00	20	52412	108.00	21	52812	70.00	21	53212	108.00	22	53624	66.00
20	52016	86.00	20	52416	132.00	21	52816	86.00	21	53216	132.00	22	53632	76.00
20	52020	96.00	20	52420	144.00	21	52820	96.00	21	53220	144.00	22	53640	100.00
20	52024	106.00	20	52424	156.00	21	52824	106.00	21	53224	156.00	22	53648	115.00
20	52028	116.00	20	52428	168.00	21	52828	116.00	21	53228	168.00	22	53656	130.00
20	52032	126.00	20	52432	188.00	21	52832	126.00	21	53232	188.00	22	53664	150.00
20	52036	146.00	20	52436	222.00	21	52836	146.00	21	53236	222.00	22	53708	46.00
20	52040	156.00	20	52440	236.00	21	52840	156.00	21	53240	236.00	22	53716	56.00
20	52044	172.00	20	52444	248.00	21	52844	172.00	21	53244	248.00	22	53724	66.00
20	52048	182.00	20	52448	260.00	21	52848	182.00	21	53248	260.00	22	53732	76.00
20	52052	192.00	20	52452	272.00	21	52852	192.00	21	53252	272.00	22	53740	100.00
20	52056	206.00	20	52456	286.00	21	52856	206.00	21	53256	286.00	22	53748	115.00
20	52060	222.00	20	52460	302.00	21	52860	222.00	21	53260	302.00	22	53756	130.00
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20	52108	60.00	20	52508	96.00	21	52908	60.00	21	53308	96.00	22	53808	60.00
20	52112	70.00	20	52512	108.00	21	52912	70.00	21	53312	108.00	22	53816	80.00
20	52116	86.00	20	52516	132.00	21	52916	86.00	21	53316	132.00	22	53824	90.00
20	52120	96.00	20	52520	144.00	21	52920	96.00	21	53320	144.00	22	53832	105.00
20	52124	106.00	20	52524	156.00	21	52924	106.00	21	53324	156.00	22	53840	130.00
20	52128	116.00	20	52528	168.00	21	52928	116.00	21	53328	168.00	22	53848	145.00
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20	52136	146.00	20	52536	222.00	21	52936	146.00	21	53336	222.00	22	53864	175.00



## Numerical Index

Page	Catalog No.	List Price	Page	Catalog No.	List Price	Page	Catalog No.	List Price	Page	Catalog No.	List Price	Page	Catalog No.	List Price
22	53908	\$60.00	23	54608	\$58.00	23	55052	\$257.00	24	55848	\$177.00	25	56404	\$64.00
22	53916	80.00	23	54612	70.00	23	55056	271.00	24	55856	197.00	25	56408	81.00
22	53924	90.00	23	54616	90.00	23	55060	287.00	24	55864	217.00	25	56412	93.00
22	53932	105.00	23	54620	102.00	23	55104	64.00	24	55908	71.00	25	56416	118.00
22	53940	130.00	23	54624	114.00	23	55108	81.00	24	55916	93.00	25	56420	130.00
22	53948	145.00	23	54628	126.00	23	55112	93.00	24	55924	106.00	25	56424	142.00
22	53956	160.00	23	54632	138.00	23	55116	118.00	24	55932	118.00	25	56428	154.00
22	53964	175.00	23	54636	160.00	23	55120	130.00	24	55940	157.00	25	56432	174.00
22	54008	74.00	23	54640	172.00	23	55124	142.00	24	55948	177.00	25	56436	207.00
22	54016	95.00	23	54644	192.00	23	55128	154.00	24	55956	197.00	25	56440	221.00
22	54024	108.00	23	54648	204.00	23	55132	174.00	24	55964	217.00	25	56444	233.00
22	54032	120.00	23	54652	216.00	23	55136	207.00	25	56004	34.00	25	56448	245.00
22	54040	160.00	23	54656	228.00	23	55140	221.00	25	56008	40.00	25	56452	257.00
22	54048	180.00	23	54660	240.00	23	55144	233.00	25	56012	50.00	25	56456	271.00
22	54056	200.00	23	54704	46.00	23	55148	245.00	25	56016	74.00	25	56460	287.00
22	54064	220.00	23	54708	58.00	23	55152	257.00	25	56020	84.00	25	56504	64.00
22	54108	74.00	23	54712	70.00	23	55156	271.00	25	56024	94.00	25	56508	81.00
22	54116	95.00	23	54716	90.00	23	55160	287.00	25	56028	104.00	25	56512	93.00
22	54124	108.00	23	54720	102.00	24	55208	46.00	25	56032	114.00	25	56516	118.00
22	54132	120.00	23	54724	114.00	24	55216	56.00	25	56036	134.00	25	56520	130.00
22	54140	160.00	23	54728	126.00	24	55224	66.00	25	56040	144.00	25	56524	142.00
22	54148	180.00	23	54732	138.00	24	55232	76.00	25	56044	160.00	25	56528	154.00
22	54156	200.00	23	54736	160.00	24	55240	100.00	25	56048	170.00	25	56532	174.00
22	54164	220.00	23	54740	172.00	24	55248	115.00	25	56052	180.00	25	56536	207.00
22	54208	71.00	23	54744	192.00	24	55256	130.00	25	56056	194.00	25	56540	221.00
22	54216	93.00	23	54748	204.00	24	55264	150.00	25	56060	210.00	25	56544	233.00
22	54224	106.00	23	54752	216.00	24	55308	46.00	25	56104	34.00	25	56548	245.00
22	54232	118.00	23	54756	228.00	24	55316	56.00	25	56108	40.00	25	56552	257.00
22	54240	157.00	23	54760	240.00	24	55324	66.00	25	56112	50.00	25	56556	271.00
22	54248	177.00	23	54804	68.00	24	55332	76.00	25	56116	74.00	25	56560	287.00
22	54256	197.00	23	54808	84.00	24	55340	100.00	25	56120	84.00	25	56604	64.00
22	54264	217.00	23	54812	96.00	24	55348	115.00	25	56124	94.00	25	56608	81.00
22	54308	71.00	23	54816	120.00	24	55356	130.00	25	56128	104.00	25	56612	93.00
22	54316	93.00	23	54820	132.00	24	55364	150.00	25	56132	114.00	25	56616	118.00
22	54324	106.00	23	54824	144.00	24	55408	60.00	25	56136	134.00	25	56620	130.00
22	54332	118.00	23	54828	156.00	24	55416	80.00	25	56140	144.00	25	56624	142.00
22	54340	157.00	23	54832	176.00	24	55424	90.00	25	56144	160.00	25	56628	154.00
22	54348	177.00	23	54836	210.00	24	55432	105.00	25	56148	170.00	25	56632	174.00
22	54356	197.00	23	54840	224.00	24	55440	130.00	25	56152	180.00	25	56636	207.00
22	54364	217.00	23	54844	236.00	24	55448	145.00	25	56156	194.00	25	56640	221.00
23	54404	34.00	23	54848	248.00	24	55456	160.00	25	56160	210.00	25	56644	233.00
23	54408	40.00	23	54852	260.00	24	55464	175.00	25	56204	46.00	25	56648	245.00
23	54412	50.00	23	54856	274.00	24	55508	60.00	25	56208	58.00	25	56652	257.00
23	54416	74.00	23	54860	290.00	24	55516	80.00	25	56212	70.00	25	56656	271.00
23	54420	84.00	23	54904	68.00	24	55524	90.00	25	56216	90.00	25	56660	287.00
23	54424	94.00	23	54908	84.00	24	55532	105.00	25	56220	102.00	25	56704	64.00
23	54428	104.00	23	54912	96.00	24	55540	130.00	25	56224	114.00	25	56708	81.00
23	54432	114.00	23	54916	120.00	24	55548	145.00	25	56228	126.00	25	56712	93.00
23	54436	134.00	23	54920	132.00	24	55556	160.00	25	56232	138.00	25	56716	118.00
23	54440	144.00	23	54924	144.00	24	55564	175.00	25	56236	160.00	25	56720	130.00
23	54444	160.00	23	54928	156.00	24	55608	71.00	25	56240	172.00	25	56724	142.00
23	54448	170.00	23	54932	176.00	24	55616	93.00	25	56244	192.00	25	56728	154.00
23	54452	180.00	23	54936	210.00	24	55624	106.00	25	56248	204.00	25	56732	174.00
23	54456	194.00	23	54940	224.00	24	55632	118.00	25	56252	216.00	25	56736	207.00
23	54460	210.00	23	54944	236.00	24	55640	157.00	25	56256	228.00	25	56740	221.00
23	54504	34.00	23	54948	248.00	24	55648	177.00	25	56260	240.00	25	56744	233.00
23	54508	40.00	23	54952	260.00	24	55656	197.00	25	56304	46.00	25	56748	245.00
23	54512	50.00	23	54956	274.00	24	55664	217.00	25	56308	58.00	25	56752	257.00
23	54516	74.00	23	54960	290.00	24	55708	71.00	25	56312	70.00	25	56756	271.00
23	54520	84.00	23	55004	64.00	24	55716	93.00	25	56316	90.00	25	56760	287.00
23	54524	94.00	23	55008	81.00	24	55724	106.00	25	56320	102.00	26	56804	40.00
23	54528	104.00	23	55012	93.00	24	55732	118.00	25	56324	114.00	26	56808	50.00
23	54532	114.00	23	55016	118.00	24	55740	157.00	25	56328	126.00	26	56812	60.00
23	54536	134.00	23	55020	130.00	24	55748	177.00	25	56332	138.00	26	56816	72.00
23	54540	144.00	23	55024	142.00	24	55756	197.00	25	56336	160.00	26	56820	84.00
23	54544	160.00	23	55028	154.00	24	55764	217.00	25	56340	172.00	26	56824	94.00
23	54548	170.00	23	55032	174.00	24	55808	71.00	25	56344	192.00	26	56828	104.00
23	54552	180.00	23	55036	207.00	24	55816	93.00	25	56348	204.00	26	56832	114.00
23	54556	194.00	23	55040	221.00	24	55824	106.00	25	56352	216.00	26	56836	134.00
23	54560	210.00	23	55044	233.00	24	55832	118.00	25	56356	228.00	26	56840	148.00
23	54604	46.00	23	55048	245.00	24	55840	157.00	25	56360	240.00	26	56844	162.00

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26	56852	190.00	26	57336	188.00	27	57820	94.00	27	58304	55.00	17	60408	33.00
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26	56860	218.00	26	57344	216.00	27	57828	126.00	27	58308	65.00	17	60412	44.00
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26	56908	50.00	26	57352	244.00	27	57836	158.00	27	58320	102.00	17	60416	55.00
26	56912	60.00	26	57356	258.00	27	57840	172.00	27	58324	126.00	17	60418	60.50
26	56916	72.00	26	57360	272.00	27	57844	186.00	27	58328	138.00	17	60420	66.00
26	56920	84.00	26	57404	55.00	27	57848	200.00	27	58332	150.00	17	60454	22.00
26	56924	94.00	26	57408	65.00	27	57852	214.00	27	58336	188.00	17	60456	27.50
26	56928	104.00	26	57412	75.00	27	57856	228.00	27	58340	202.00	17	60458	33.00
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26	56944	162.00	26	57428	138.00	27	57912	68.00	27	58356	258.00	17	60466	55.00
26	56948	176.00	26	57432	150.00	27	57916	82.00	27	58360	272.00	17	60468	60.50
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26	56960	218.00	26	57444	216.00	27	57928	126.00	17	60108	25.00	14	66106	9.00
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26	57008	58.00	26	57452	244.00	27	57936	158.00	17	60112	30.00	14	66110	12.60
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26	57016	82.00	26	57460	272.00	27	57944	186.00	17	60116	35.00	14	66204	9.00
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26	57024	114.00	26	57508	65.00	27	57952	214.00	17	60120	40.00	14	66208	16.20
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26	57032	138.00	26	57516	90.00	27	57960	242.00	17	60156	23.00	14	66212	22.50
26	57036	158.00	26	57520	102.00	27	58004	55.00	17	60158	25.00	15	66304	8.60
26	57040	172.00	26	57524	126.00	27	58008	65.00	17	60160	27.50	15	66306	12.50
26	57044	186.00	26	57528	138.00	27	58012	75.00	17	60162	30.00	15	66308	15.50
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26	57052	214.00	26	57536	188.00	27	58020	102.00	17	60166	35.00	15	66312	23.20
26	57056	228.00	26	57540	202.00	27	58024	126.00	17	60168	37.50	15	66404	12.50
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26	57104	46.00	26	57548	230.00	27	58032	150.00	17	60204	20.00	15	66408	23.20
26	57108	58.00	26	57552	244.00	27	58036	188.00	17	60206	25.00	15	66410	26.40
26	57112	68.00	26	57556	258.00	27	58040	202.00	17	60208	30.00	15	66412	30.50
26	57116	82.00	26	57560	272.00	27	58044	216.00	17	60210	35.00	50	83990	2.30
26	57120	94.00	27	57604	40.00	27	58048	230.00	17	60212	40.00	50	83992	2.90
26	57124	114.00	27	57608	50.00	27	58052	244.00	17	60214	45.00	50	83994	3.40
26	57128	126.00	27	57612	60.00	27	58056	258.00	17	60216	50.00	30	90004	62.00
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26	57212	75.00	27	57656	204.00	27	58140	202.00	17	60270	60.00	30	90026	176.00
26	57216	90.00	27	57660	218.00	27	58144	216.00	17	60304	23.00	30	90028	186.00
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26	57224	126.00	27	57708	50.00	27	58152	244.00	17	60308	27.50	30	90032	216.00
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26	57256	258.00	27	57740	148.00	27	58224	126.00	17	60356	25.50	30	90068	130.00
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26	57304	55.00	27	57748	176.00	27	58232	150.00	17	60360	30.50	30	90072	150.00
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26	57320	102.00	27	57804	46.00	27	58248	230.00	17	60368	41.00	30	90080	200.00
26	57324	126.00	27	57808	58.00	27	58252	244.00	17	60370	44.00	30	90082	216.00
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30	90110	106.00	30	90332	287.00	31	90874	178.00	32	91116	120.00	32	91358	118.00
30	90112	126.00	30	90354	85.00	31	90876	192.00	32	91118	130.00	32	91360	128.00
30	90114	136.00	30	90356	106.00	31	90878	202.00	32	91120	140.00	32	91362	160.00
30	90116	146.00	30	90358	116.00	31	90880	212.00	32	91122	150.00	32	91364	170.00
30	90118	156.00	30	90360	126.00	31	90882	222.00	32	91124	160.00	32	91366	190.00
30	90120	166.00	30	90362	157.00	31	90904	86.00	32	91126	176.00	32	91368	200.00
30	90122	186.00	30	90364	167.00	31	90906	96.00	32	91128	186.00	32	91370	210.00
30	90124	196.00	30	90366	187.00	31	90908	106.00	32	91130	200.00	32	91372	220.00
30	90126	206.00	30	90368	197.00	31	90910	116.00	32	91132	216.00	32	91374	230.00
30	90128	216.00	30	90370	207.00	31	90912	126.00	32	91154	62.00	32	91376	246.00
30	90130	226.00	30	90372	217.00	31	90914	150.00	32	91156	68.00	32	91378	260.00
30	90132	236.00	30	90374	227.00	31	90916	160.00	32	91158	78.00	32	91380	276.00
30	90154	74.00	30	90376	243.00	31	90918	180.00	32	91160	88.00	32	91382	290.00
30	90156	86.00	30	90378	257.00	31	90920	190.00	32	91162	98.00	32	91404	85.00
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30	90204	88.00	31	90426	170.00	31	90968	180.00	32	91210	106.00	32	91432	287.00
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30	90272	220.00	31	90814	128.00	31	91056	93.00	32	91278	216.00	33	91820	140.00
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30	90312	157.00	31	90854	68.00	31	91076	218.00	32	91318	200.00	33	91860	88.00
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30	90316	187.00	31	90858	88.00	31	91080	238.00	32	91322	220.00	33	91864	106.00
30	90318	197.00	31	90860	98.00	31	91082	248.00	32	91324	230.00	33	91866	116.00
30	90320	207.00	31	90862	108.00	32	91104	62.00	32	91326	246.00	33	91868	126.00
30	90322	217.00	31	90864	128.00	32	91106	68.00	32	91328	260.00	33	91870	140.00
30	90324	227.00	31	90866	138.00	32	91108	78.00	32	91330	276.00	33	91872	150.00
30	90326	243.00	31	90868	148.00	32	91110	88.00	32	91332	290.00	33	91874	160.00

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33	91876	\$170.00	33	92118	\$178.00	34	92504	\$67.00	35	92944	\$170.00	36	93416	\$104.00
33	91878	180.00	33	92120	188.00	34	92508	78.00	35	92948	180.00	36	93418	114.00
33	91880	190.00	33	92122	198.00	34	92512	117.00	35	92952	190.00	36	93420	124.00
33	91882	206.00	33	92124	208.00	34	92516	127.00	35	92956	200.00	36	93422	134.00
33	91904	68.00	33	92126	218.00	34	92520	137.00	35	92960	210.00	36	93424	144.00
33	91906	78.00	33	92128	228.00	34	92524	147.00	35	93004	70.00	36	93426	160.00
33	91908	88.00	33	92130	238.00	34	92528	157.00	35	93008	78.00	36	93428	170.00
33	91910	98.00	33	92132	248.00	34	92532	177.00	35	93012	86.00	36	93430	184.00
33	91912	108.00	33	92154	82.00	34	92554	67.00	35	93016	100.00	36	93432	200.00
33	91914	128.00	33	92156	93.00	34	92558	78.00	35	93020	110.00	36	93454	42.00
33	91916	138.00	33	92158	103.00	34	92562	117.00	35	93024	120.00	36	93456	52.00
33	91918	148.00	33	92160	113.00	34	92566	127.00	35	93028	136.00	36	93458	62.00
33	91920	158.00	33	92162	123.00	34	92570	137.00	35	93032	146.00	36	93460	72.00
33	91922	168.00	33	92164	148.00	34	92574	147.00	35	93036	184.00	36	93462	82.00
33	91924	178.00	33	92166	158.00	34	92578	157.00	35	93040	194.00	36	93464	94.00
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33	91930	212.00	33	92172	198.00	35	92608	45.00	35	93052	224.00	36	93470	124.00
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33	92006	96.00	34	92270	70.00	35	92720	70.00	35	93204	66.00	36	93826	190.00
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33	92012	126.00	34	92282	100.00	35	92732	100.00	35	93216	98.00	36	93832	220.00
33	92014	150.00	34	92304	54.00	35	92736	115.00	35	93220	108.00	36	93854	58.00
33	92016	160.00	34	92308	68.00	35	92740	125.00	35	93224	118.00	36	93856	70.00
33	92018	180.00	34	92312	85.00	35	92744	135.00	35	93228	134.00	36	93858	80.00
33	92020	190.00	34	92316	95.00	35	92748	145.00	35	93232	144.00	36	93860	90.00
33	92022	200.00	34	92320	105.00	35	92752	160.00	35	93236	181.00	36	93862	110.00
33	92024	210.00	34	92324	115.00	35	92756	170.00	35	93240	191.00	36	93864	120.00
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33	92028	230.00	34	92332	135.00	35	92804	54.00	35	93248	211.00	36	93868	140.00
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33	92058	106.00	34	92370	105.00	35	92824	105.00	35	93308	75.00	36	93878	200.00
33	92060	116.00	34	92374	115.00	35	92828	115.00	35	93312	83.00	36	93880	210.00
33	92062	126.00	34	92378	125.00	35	92832	125.00	35	93316	98.00	36	93882	220.00
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33	92066	160.00	34	92404	70.00	35	92840	160.00	35	93324	118.00	36	93906	92.00
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33	92074	210.00	34	92420	140.00	35	92856	200.00	35	93340	191.00	36	93914	154.00
33	92076	220.00	34	92424	150.00	35	92860	210.00	35	93344	201.00	36	93916	174.00
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33	92106	93.00	34	92462	120.00	35	92920	95.00	36	93404	42.00	36	93926	230.00
33	92108	103.00	34	92466	130.00	35	92924	105.00	36	93406	52.00	36	93928	244.00
33	92110	113.00	34	92470	140.00	35	92928	115.00	36	93408	62.00	36	93930	260.00
33	92112	123.00	34	92474	150.00	35	92932	125.00	36	93410	72.00	36	93932	274.00
33	92114	148.00	34	92478	160.00	35	92936	145.00	36	93412	82.00	36	93954	72.00
33	92116	158.00	34	92482	180.00	35	92940	160.00	36	93414	94.00	36	93956	92.00



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36	93960	112.00	37	94182	190.00	37	94424	192.00	38	95116	127.00	39	95556	200.00
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36	93966	174.00	37	94208	72.00	37	94430	222.00	38	95128	157.00	39	95608	75.00
36	93968	184.00	37	94210	82.00	37	94432	232.00	38	95132	177.00	39	95612	83.00
36	93970	194.00	37	94212	92.00	37	94454	66.00	38	95154	67.00	39	95616	98.00
36	93972	204.00	37	94214	112.00	37	94456	77.00	38	95158	78.00	39	95620	108.00
36	93974	214.00	37	94216	122.00	37	94458	87.00	38	95162	117.00	39	95624	118.00
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36	93978	244.00	37	94220	142.00	37	94462	107.00	38	95170	137.00	39	95632	144.00
36	93980	260.00	37	94222	152.00	37	94464	132.00	38	95174	147.00	39	95636	181.00
36	93982	274.00	37	94224	162.00	37	94466	142.00	38	95178	157.00	39	95640	191.00
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36	94012	141.00	37	94254	52.00	37	94476	202.00	39	95216	60.00	39	95660	241.00
36	94014	151.00	37	94256	62.00	37	94478	212.00	39	95220	70.00	39	95804	66.00
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36	94032	271.00	37	94274	162.00	38	94828	90.00	39	95256	170.00	39	95840	191.00
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36	94072	201.00	37	94314	134.00	38	94904	54.00	39	95336	115.00	39	95920	108.00
36	94074	211.00	37	94316	144.00	38	94908	68.00	39	95340	125.00	39	95924	118.00
36	94076	227.00	37	94318	164.00	38	94912	85.00	39	95344	135.00	39	95928	134.00
36	94078	241.00	37	94320	174.00	38	94916	95.00	39	95348	145.00	39	95932	144.00
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36	94082	271.00	37	94324	194.00	38	94924	115.00	39	95356	170.00	39	95940	191.00
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37	94120	124.00	37	94362	110.00	38	94978	125.00	39	95432	125.00	39	96016	98.00
37	94122	134.00	37	94364	134.00	38	94982	135.00	39	95436	145.00	39	96020	108.00
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37	94170	124.00	37	94412	107.00	38	95074	147.00	39	95532	125.00	40	96110	72.00
37	94172	134.00	37	94414	132.00	38	95078	157.00	39	95536	145.00	40	96112	82.00
37	94174	144.00	37	94416	142.00	38	95082	177.00	39	95540	160.00	40	96114	94.00
37	94176	154.00	37	94418	162.00	38	95104	67.00	39	95544	170.00	40	96116	104.00
37	94178	164.00	37	94420	172.00	38	95108	78.00	39	95548	180.00	40	96118	114.00



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40	96122	134.00	40	96364	151.00	41	96606	62.00	41	96928	212.00	42	97170	150.00
40	96124	144.00	40	96366	171.00	41	96608	72.00	41	96930	222.00	42	97172	170.00
40	96126	160.00	40	96368	181.00	41	96610	82.00	41	96932	232.00	42	97174	180.00
40	96128	170.00	40	96370	191.00	41	96612	92.00	41	96954	66.00	42	97176	190.00
40	96130	184.00	40	96372	201.00	41	96614	112.00	41	96956	77.00	42	97178	200.00
40	96132	200.00	40	96374	211.00	41	96616	122.00	41	96958	87.00	42	97180	210.00
40	96154	42.00	40	96376	227.00	41	96618	132.00	41	96960	97.00	42	97182	220.00
40	96156	52.00	40	96378	241.00	41	96620	142.00	41	96962	107.00	42	97204	65.00
40	96158	62.00	40	96380	257.00	41	96622	152.00	41	96964	132.00	42	97206	78.00
40	96160	72.00	40	96382	271.00	41	96624	162.00	41	96966	142.00	42	97208	88.00
40	96162	82.00	40	96404	69.00	41	96626	176.00	41	96968	162.00	42	97210	98.00
40	96164	94.00	40	96406	90.00	41	96628	186.00	41	96970	172.00	42	97212	130.00
40	96166	104.00	40	96408	100.00	41	96630	196.00	41	96972	182.00	42	97214	140.00
40	96168	114.00	40	96410	110.00	41	96632	206.00	41	96974	192.00	42	97216	156.00
40	96170	124.00	40	96412	141.00	41	96654	52.00	41	96976	202.00	42	97218	166.00
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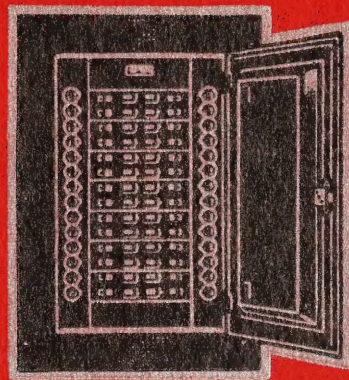
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**BENJAMIN-STARRETT**